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OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

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LETTER

FROM

THE SECRETARY OF AGRICULTURE,

TRANSMITTING

ANNUAL REPORT OF THE BUREAU OF ANIMAL INDUSTRY FOR  
THE FISCAL YEAR ENDED JUNE 30, 1899.

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U. S. DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
*Washington, D. C., January 10, 1900.*

SIR: I have the honor to transmit herewith the report of the operations of the Bureau of Animal Industry for the fiscal year ended June 30, 1899, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

Very respectfully,

JAMES WILSON, *Secretary.*

The PRESIDENT OF THE SENATE.



# OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR THE FISCAL YEAR ENDED JUNE 30, 1899.

## INSPECTION DIVISION.

### MEAT INSPECTION.

The inspection of cattle, sheep, calves, and hogs, and their products, was carried on at 138 abattoirs and packing houses in 41 cities. This was an increase of 3 abattoirs and 6 cities over the previous year, and of 10 abattoirs and 8 cities over the fiscal year 1897. In 12 of the cities where inspection was carried on last year (Chicago, Kansas City, South Omaha, Milwaukee, Sioux City, East St. Louis (National Stock Yards), St. Louis, Indianapolis, South St. Joseph, Pittsburg, South St. Paul, and Buffalo) the ante-mortem inspection was made in the stock yards, and included animals purchased by miscellaneous buyers and those for shipment to other cities, as well as those for local official abattoirs. The inspection of horses was conducted at one abattoir only.

The following table gives the number of inspections made upon animals before slaughter. It also shows the number rejected upon this inspection, subject to the result of the post-mortem examination. The rigidity of the ante-mortem inspection is evidenced by the fact that upon examination at slaughter much the greater number of carcasses are pronounced fit for food. Many animals are rejected in the stock yards on account of pregnancy; these are allowed to be shipped out when desired for feeding or dairy purposes:

#### *Ante-mortem inspections for fiscal year 1899.*

Kind of animal.	For official abattoirs in cities where in- spections were made.	For abattoirs in other cities and miscellane- ous buyers.	Total inspections.	Rejected at abattoirs.	Rejected in stock yards.
Cattle .....	4,654,842	4,288,562	8,943,404	180	26,593
Sheep .....	5,718,464	3,819,920	9,538,384	476	18,150
Calves .....	245,859	253,404	499,263	41	3,128
Hogs .....	23,783,576	10,455,317	34,238,893	4,942	102,992
Horses .....	3,232	.....	3,232	37	.....
Total .....	34,405,973	18,817,203	53,223,176	5,676	150,863

A comparison of these figures with several previous years will show how this work has progressed each year. The following table gives the total ante-mortem inspections for the fiscal years 1896 to 1899, inclusive:

*Total number of ante-mortem inspections for four years.*

Fiscal year.	Cattle.	Sheep.	Calves.	Hogs.
1896 .....	7, 529, 523	6, 318, 284	314, 846	21, 754, 826
1897 .....	8, 250, 025	8, 044, 355	448, 983	25, 566, 744
1898 .....	9, 228, 237	10, 028, 287	468, 199	31, 610, 675
1899 .....	8, 943, 404	9, 538, 384	499, 263	34, 238, 893

The number of animals inspected at time of slaughter, and the number of carcasses and parts of carcasses condemned and rendered so as to unfit them for consumption as food, are given in the following table:

*Post-mortem inspections for fiscal year 1899.*

Kind of animal.	Number of inspections.			Carcasses condemned.			
	For official abattoirs.	On animals rejected in stock yards.	Total.	For official abattoirs.	Animals rejected in stock yards.	Total.	Parts of carcasses condemned at abattoirs.
Cattle.....	4, 382, 020	16, 726	4, 398, 746	6, 404	3, 219	9, 623	10, 514
Sheep.....	5, 603, 096	6, 023	5, 609, 119	3, 369	1, 476	4, 845	359
Calves.....	246, 184	935	247, 119	199	105	304	45
Hogs.....	23, 836, 943	67, 996	23, 904, 939	48, 897	6, 122	55, 019	29, 143
Horses.....	3, 232	.....	3, 232	181	.....	181	.....
Total .....	34, 071, 475	91, 680	34, 163, 155	59, 050	10, 922	69, 972	40, 061

In addition to the condemnations upon regular inspection, as above given, there were 41,597 carcasses of hogs condemned upon microscopic examination for trichinæ. In accordance with the provisions of section 22 of the regulations governing meat inspection, about half of the meat from these carcasses was cooked, the rest being tanked.

For the purpose of comparison, the following table is given:

*Number of animals inspected before slaughter for abattoirs having inspection, 1891-1899.*

Fiscal year.	Cattle.	Calves.	Sheep.	Hogs.	Horses.	Total.
1891 .....	83, 891	.....	.....	.....	.....	83, 891
1892 .....	3, 167, 009	59, 089	583, 361	.....	.....	3, 809, 459
1893 .....	3, 922, 174	92, 947	870, 512	.....	.....	4, 885, 633
1894 .....	3, 862, 111	96, 331	1, 020, 764	7, 964, 850	.....	12, 944, 056
1895 .....	3, 752, 111	109, 941	1, 344, 031	13, 576, 917	.....	18, 783, 000
1896 .....	4, 050, 011	213, 575	4, 710, 190	14, 301, 963	.....	23, 275, 739
1897 .....	4, 289, 058	259, 930	5, 179, 643	16, 813, 181	.....	26, 541, 812
1898 .....	4, 552, 919	241, 092	5, 706, 092	20, 713, 863	.....	31, 213, 966
1899 .....	4, 654, 842	245, 859	5, 718, 464	23, 783, 576	3, 232	34, 405, 973



The number of animals that died of disease or injury, or were killed by city inspectors after rejection in the stock yards, added to those found dead in cars or pens at abattoirs and tanked, is shown in the following table:

*Number of different kinds of animals rejected for fiscal year 1899.*

Manner of death.	Cattle.	Sheep.	Calves.	Hogs.	Horses.	Total.
Dead at abattoirs .....	235	1,059	36	19,424	43	20,797
Died in stock yards.....	309	1,121	105	2,201	.....	3,736
Killed in stock yards .....	1,296	784	176	21,274	.....	23,530
Total.....	1,840	2,964	317	42,899	43	48,063

*Tag or brand affixed.*—The meat-inspection tag or brand was affixed to 14,919,664 quarters and 217,920 pieces of beef, 5,522,142 carcasses of sheep, 225,348 carcasses of calves, 932,878 carcasses of hogs, and 551,331 sacks of pork.

*Packages stamped.*—The number of packages stamped comprised 4,840,834 of beef products, 9,417 of mutton, 12,545,965 of hog products, and 763 of horse flesh. The number of packages of hog products just given includes 393,838 packages which contained meat that had been microscopically examined in addition to the regular inspection.

*Cars sealed.*—The number of cars sealed which contained inspected meat for shipment to packing houses and other places was 47,455.

*Certificates issued.*—The number of certificates issued for meat products which had received the regular inspection, exclusive of horse flesh, was 42,237. The exports thus certified consisted of 1,428,290 quarters, 45,789 pieces, and 837,634 packages of beef, weighing 360,843,856 pounds; 9,417 packages of mutton, weighing 525,705 pounds; 109,505 carcasses and 880,324 packages of pork, weighing 278,696,435 pounds. Fourteen certificates were issued for 763 packages of horse flesh, weighing 347,048 pounds.

*Cost of inspection.*—The cost of this part of the work of the inspection division was \$465,709.23, which, embracing all the branches of meat inspection, makes an average of 0.88 cent for each of the 53,223,176 ante-mortem inspections.

The following statement shows the cost of each ante-mortem inspection from 1893 to 1899, inclusive:

	Cents.
1893.....	4.75
1894.....	1.75
1895.....	1.10
1896.....	.95
1897.....	.91
1898.....	.80
1899.....	.88

#### MICROSCOPIC EXAMINATION OF PORK.

The number of carcasses examined was 2,227,740. The result of the examination was: Class A, free from all appearance of trichinæ, 2,160,230, or 96.97 per cent; Class B, containing trichinæ-like bodies or disintegrated trichinæ, 25,913, or 1.16 per cent; Class C, containing living trichinæ, 41,597, or 1.87 per cent.

The number of certificates issued for microscopically examined pork products was 22,708. The number of packages exported was 393,626, weighing 108,928,195 pounds. Of this quantity, 137 packages, weighing 70,046 pounds, went to countries not requiring a certificate of microscopic inspection.

The cost of the microscopic inspection was \$198,355.14, an average of 8.9 cents for each carcass examined and of 0.182 cent for each pound exported.

The apparent increase in the cost over last year is due in some measure to the necessity of increasing the force in order to maintain a more careful control of the stock of microscopic meats and of the cellars containing it, and to a more accurate system of charging employees to different accounts according to the kind of work performed, whereby a number of salaries which have heretofore been charged to general meat inspection have more properly been counted as part of the expense of the microscopic inspection.

INSPECTION OF VESSELS AND EXPORT ANIMALS.

The year shows a considerable falling off in the number of domestic animals exported to Europe. In the table following are given the number of inspections of American and Canadian cattle and sheep for export, the number rejected, the number of American cattle tagged, and the number of animals exported under the supervision of inspectors of this Bureau:

*Number of inspections, etc., of American and Canadian farm animals.*

Kind of animals.	American.				Canadian.		
	Inspections.	Rejected.	Tagged.	Exported.	Inspected.	Rejected.	Exported.
Cattle .....	643,301	1,593	327,741	1 311,595	27,806	9	27,797
Sheep .....	174,717	118		2 98,551	37,247	41	37,206
Horses .....				26,351			2,685
Hogs .....				98			

1 14,786 from Chicago via Canadian ports.      2 4,757 from Chicago via Canadian ports.

The number of certificates issued for American cattle was 1,201. The number of clearances of vessels carrying live stock that had been inspected was 852.

The following table shows the number of animals inspected at time of landing by the inspectors of this Bureau stationed at the ports of London, Liverpool, and Glasgow, together with the number and percentage lost in transit:

*Number of animals inspected at time of landing in London, Liverpool, and Glasgow, and loss in transit.*

From—	Cattle.			Sheep.			Horses.		
	Landed.	Lost.		Landed.	Lost.		Landed.	Lost.	
	<i>Number</i>	<i>Number.</i>	<i>Per cent.</i>	<i>Number.</i>	<i>Number.</i>	<i>Per cent.</i>	<i>Number.</i>	<i>Number.</i>	<i>Per cent.</i>
United States....	294,318	911	0.31	97,659	1,526	1.54	20,035	224	1.11
Canada .....	24,295	1 504	2.03	34,003	1 1,639	4.6	1,808	5	.28
Total .....	318,613	1,415	.44	131,662	3,165	2.35	21,843	229	1.04

1 366 cattle and 441 sheep were lost by the wrecking of the ship.



The expense of inspection of animals for export, the supervision of the movement of Southern cattle, and the inspection of animals imported from Mexico amounted to \$107,023.41. Following the precedent of estimating half of this to be properly chargeable to the export work, we find that the cost of inspecting the 410,146 domestic cattle and sheep exported was \$53,511.70, an average of 13 cents per head. The number of inspections of these animals in this country was 818,018, and in Great Britain 391,977, a total of 1,209,995, made at an average cost of 4.42 cents for each inspection.

#### SOUTHERN CATTLE INSPECTION.

During the quarantine season of 1898, 32,937 cars, containing 911,455 cattle from the area infected with splenic fever of cattle, were unloaded in the quarantine divisions of the stock yards at different points. There were 33,814 cars cleaned and disinfected.

In the noninfected area in Texas 236,369 cattle were inspected and identified by brands as originating north of the quarantine line and permitted to be removed to other States for grazing. In California 37,832 cattle were inspected prior to shipment to points outside of the infected district. In conjunction with the authorities of Missouri 684 cattle originating in the northern counties of Arkansas were inspected and permitted to be driven into Missouri.

#### PREVENTION OF SCABIES.

In order to prevent the spread of scabies among sheep, it was required that all sheep shipped from stock yards to other States for feeding purposes be dipped with some preparation that would kill the parasite. In pursuance of this order there were dipped 145,974 sheep that were infected and 526,970 that had been exposed to the contagion of the disease.

For many years the parasitic disease of sheep popularly called scab has been prevalent, especially in some of the Western States and Territories. Diseased sheep have been shipped in violation of the law, and stock yards and stock cars have been almost constantly infected. The result has been that sheep could not be purchased for feeding purposes in any of the markets of the country without danger of bringing the contagion to the farm with them.

Not only does sheep scab always damage and often destroy the fleece, but it so reduces the strength of the affected animals that they fall an easy prey to internal parasites or succumb to unfavorable conditions of food and surroundings. Congress has specifically referred to this disease in the appropriation act as one which the Department is authorized to control by sanitary regulations.

The first step taken by the Department looking to the limitation and control of this disease was by a circular letter notifying transportation companies and shippers of the existence of the contagion and pointing out the prohibition of shipment and penalty provided by the law. Subsequently, an order was issued that diseased sheep discovered by the inspectors in transit or in infected yards should be detained and dipped before going on to destination.

The effect of these orders was to protect purchasers of store sheep and to lessen the number of diseased animals sent to market. It was found, however, that some of the dips used by stock-yards companies

and sheep owners were not efficacious, and that others were so severe or poisonous as to be dangerous. An order has consequently been issued specifying the kinds of dips which would be recognized and the manner in which they should be prepared and applied.

The effect of these measures has been extremely satisfactory. The inconvenience of detention and the expense of dipping have had the effect of lessening the number of diseased sheep sent to market, and has led to active efforts to cure them on the farm or ranch before shipping. This has been accomplished without putting the shippers of healthy sheep to any inconvenience or expense unless these animals were going to farms from infected stock yards. The indications are at this writing that it will soon be possible to make the stock cars, the central stock yards, and other channels of interstate commerce safe and free from infection, in which case store sheep could be purchased in the markets without danger of infection, and only diseased sheep would come under the restrictions.

#### INSPECTION OF IMPORTED ANIMALS.

The inspection of animals imported from Mexico was made at the ports of entry along the boundary line, and included 79,908 cattle, 1,254 sheep, 64 swine, and 121 goats.

The imports from Canada of animals not subject to quarantine detention consisted of 90,468 cattle, 172,985 sheep, 1,769 horses, 194 hogs, 1 moose, 1 goat, and 11 mules. Of these, 425 cattle, 6,581 sheep, and 176 hogs were for breeding purposes.

The following is a statement of the number of animals imported and held at the different quarantine stations for the prescribed period:

*Number of animals imported and quarantined at different stations.*

Stations.	Cattle.	Sheep.	Hogs.
Littleton, Mass .....	8	93	.....
Garfield, N. J. ....	335	405	45
St. Denis, Md. ....	6	.....	1
Houlton, Me. ....	483	315	2
Vanceboro, Me. ....	112	13	.....
Eastport, Me. ....	5	.....	.....
Newport, Vt. ....	241	.....	.....
Island Pond, Vt. ....	71	9	1
Beechers Falls, Vt. ....	19	5	.....
Richford, Vt. ....	43	.....	.....
St. Albans, Vt. ....	37	.....	.....
Ogdensburg, N. Y. ....	43	.....	.....
Cape Vincent, N. Y. ....	78	.....	.....
Buffalo, N. Y. ....	38	.....	.....
Port Huron, Mich. ....	43	.....	.....
Total .....	1,562	840	49

There were also at the Garfield station 12 camels, making a total of 2,463 animals quarantined.

#### PATHOLOGICAL DIVISION.

##### BLACKLEG INVESTIGATIONS.

The item of work which has consumed the most time in the Pathological Division has been the distribution of blackleg vaccine, including its preparation, shipment, and the correspondence incident thereto. Dur-

ing the year 6,200 letters on this subject were received, each of which required a reply and an application blank for vaccine. On return of the blanks, properly filled up, vaccine was forwarded and the application properly indexed and filed. In many instances it was necessary to dictate special letters in reply to inquiries. Vaccine was sent out to the number of 545,289 doses. The following statement shows the number of doses shipped for each month of the year:

July .....	19,555
August .....	26,305
September .....	3,820
October .....	47,487
November .....	69,365
December .....	68,260
January .....	50,629
February .....	41,145
March .....	29,823
April .....	89,575
May .....	44,670
June .....	54,655
Total .....	545,289

The comparatively small amount sent out in September was due to the fact that the supply was exhausted at that time. The more than half a million doses were sent principally into the States of Texas, Nebraska, Kansas, Colorado, North Dakota, New Mexico, South Dakota, and Indian Territory and Oklahoma Territory. Outbreaks of blackleg have occurred elsewhere, however, being reported from Virginia, West Virginia, Pennsylvania, Vermont, New York, Ohio, Kentucky, Tennessee, North Carolina, Michigan, Indiana, Illinois, Wisconsin, Minnesota, Iowa, Missouri, Washington, Wyoming, Montana, Oregon, Idaho, Utah, California, Arkansas, and Arizona. It appears, therefore, that this disease may prevail in any section in which cattle raising is an extensive industry.

Dr. Victor A. Nörsgaard, chief of the Pathological Division, has published an article in the annual report of this Bureau for 1898 on "Blackleg in the United States and the distribution of vaccine by the Bureau of Animal Industry," which gives a résumé of the work so far accomplished by the Bureau, the history of the disease in this country and in Europe, and the geographical distribution of the disease in the United States. Dr. Nörsgaard estimates that the annual loss of cattle from blackleg in the districts principally affected has ranged in years when the disease was most prevalent from 5 to 35 per cent. The estimated loss after inoculation with the Bureau vaccine was 0.54 per cent inoculated, or little more than one-half of 1 per cent. This percentage would have been still further reduced, no doubt, had the operators been familiar with the work of vaccination. In fact, the reports received, state that losses, when they occurred, were due to failure to follow instructions carefully. This rather remarkable record indicates the perfect safety of the method pursued when the fact is known that nearly all the inoculations were made by inexperienced persons.

The distribution of vaccine is being continued by the Bureau, and adequate measures have been taken to permit the sending of the vaccine immediately on receipt of the application. It is advisable that all stock owners in infected districts should vaccinate their young stock regularly, without awaiting an outbreak of the disease, as heavy losses may be sustained in the course of a few days. The Bureau can not,



however, undertake to keep stockmen supplied with vaccine simply for the purpose of keeping it on hand for use in case of an outbreak.

#### TEXAS FEVER.

It is a matter of congratulation that the method of producing immunity from Texas fever by inoculating with the blood of immune animals, as first practiced and proved efficacious by this Bureau, has been used practically with highly satisfactory results by the State Agricultural Experiment Station of Missouri. That station has very properly taken the matter up and has permitted its veterinarians to make the inoculations as a means of insuring the safety of pure-bred stock from Missouri sold for improving the herds in the Texas-fever district. The losses from the operation are understood to be insignificant, and the inoculated animals have been able to resist almost perfectly the effects of exposure to the contagion after their arrival in the infected district. The practical application of this discovery is of great importance, both to the breeders of improved stock in the more northern States and to the cattle raisers of the infected district. It permits the improvement of the southern herds without the discouraging losses which have heretofore always occurred, and no doubt it will lead to the rapid grading up of the cattle of the South and Southwest, increasing materially the numbers and values.

#### THE TEXAS-FEVER TICK IN THE WEST INDIES.

The new and more intimate relations which have been established between the United States and some of the islands of the West Indies have led to the inquiry as to whether these islands are permanently infected with Texas fever, as is the southern portion of the United States and the coast regions of Mexico. Information received from Jamaica has long since led to the conclusion that that island is permanently infected. The large numbers of cattle taken to Cuba from the infected districts of the United States, Mexico, Central America, and South America have unquestionably infected the larger part of the island, even if it had previously been free, which is unlikely.

Reports from Puerto Rico indicated that but a comparatively small number of cattle have recently been imported, and the quality of some of the native cattle seemed to favor the assumption that the fever contagion had not been introduced. To determine this, an inspector of the Bureau, Dr. Rice P. Steddom, was instructed to proceed to Puerto Rico and make a careful investigation. Dr. Steddom traversed a large portion of the island, and found the cattle everywhere infested with the *Boophilus bovis* tick, the presence of which in the United States is *prima facie* evidence of infection with Texas fever. When the offspring of the Puerto Rican ticks were placed upon cattle at our experiment station, however, no disease was produced. The question, therefore, is still unsettled as to whether the Pyrosoma, the true contagion of the disease, exists in Puerto Rico. It is well known that the *Boophilus* acts only as the carrier of the Pyrosoma, and that the former may exist in a district without the latter, and, conversely, the latter may exist without the former. It is only when both are present that the disease exists in a contagious form. The importance to the cattle raisers of the island of having this question speedily and definitely determined is apparent. If the Pyrosoma does not exist there,

measures should at once be adopted to prevent its entrance. The tick being certainly prevalent, the introduction of a single cow or steer bearing the *Pyrosoma* might convert these comparatively harmless parasites into the most deadly scourges of the bovine race.

#### BIOCHEMIC DIVISION.

##### TUBERCULIN AND MALLEIN.

The routine work in the preparation of tuberculin and mallein has continued during the past year. These products are furnished only to local authorities for official use. The quantity of mallein sent out to State officials and experiment stations has been sufficient to test about 5,200 animals. The quantity of tuberculin sent out during the year was sufficient to test about 36,000 animals.

##### STAMPING INK.

In addition to other work, this division has continued to prepare and supply ink suitable for stamping meat in such quantities as required by the inspection division.

##### SERUM FOR HOG CHOLERA AND SWINE PLAGUE.

The work of preparing serum for treating the diseases of hog cholera and swine plague has been conducted on a very much larger scale than last year. The results of last season's work were exceedingly satisfactory, and the number of animals which would serve as a source of serum has been largely increased. During the present year a force of inspectors has been at work in four counties in Iowa treating a large number of animals and endeavoring to keep down, so far as possible, by the serum treatment, the amount of disease among the swine. While it is impossible at the present time to give positive results in connection with this work, it appears from the reports that have been sent in that we may expect about the same results as those obtained in Page County, Iowa, during the past year.

The work in connection with the preparation of antitoxin in such large quantities has been very heavy, both in the laboratory and at the experiment station of the Bureau. It requires a considerable number of employees to prepare the necessary cultures which are to be used in injecting the animals, to draw the serum, have it properly bottled and shipped, and at the same time to control the outbreaks in the West. Cultures are taken from each herd that is treated in the West when an autopsy is made upon some of the sick animals. These cultures are examined and tested. In addition, specimens of serum from each herd are used for the application of the motility test, and every care is taken to demonstrate so far as possible the exact character of the disease which exists in the herds that are being treated. Many problems of scientific interest have arisen in connection with this work, the elucidation of some of which will be of great practical importance. So far as possible, investigations of these points have been made as the routine work was progressing, or a careful note taken of them, and they will receive more careful study when the routine work of the laboratory will permit and when increased assistance has been secured.



## INTERNATIONAL TUBERCULOSIS CONGRESS.

As the general study of the diseases of men and animals progresses it becomes more and more evident that the final solution of many difficulties depends upon a careful biochemic study of diseases. This appears to be the case not only with the diseases which the division has been studying for some years, but also with Texas fever, diseases of fowls, and many other diseases. The very intimate relationship which exists between the diseases of men and animals, and the dangers to which animals may be subjected from like diseases of men, deserve very special investigation. For this reason, in May last, the chief of the Biochemic Division was sent to Berlin for the purpose of attending the International Tuberculosis Congress. Over two hundred prominent men were present at this congress as delegates from twenty-five nations. The congress was under the patronage of the Empress of Germany, and there were more than two thousand members. The papers presented by many of the most prominent men in all lines of medical, bacteriological, and hygienic work were exhaustive in character, reviewing very thoroughly the knowledge of tuberculosis from all standpoints at the present time. They will serve as an excellent basis for continued investigation and work in the future. Papers by Virchow, Bollinger, and others emphasize the dangers of meat and milk from tuberculous animals. It appears that indirectly very many practical results for the benefit both of men and animals will follow from the work of this congress.

As it was the fortune of the chief of the Biochemic Division to meet at that congress, and afterwards in visiting the most important anti-toxic serum laboratories and stations in Europe, the most prominent workers in biochemic lines, it seems right that attention should here be called to the high regard in which he found the scientific work of the Bureau of Animal Industry to be held by investigators in similar lines in the different European states. It is a great advantage to the work of the Bureau and the Department to have its scientific employees meet personally the investigators in similar lines, thus affording the opportunity of exchange of ideas and the planning of cooperative work.

## THE PROPOSED WORK FOR NEXT YEAR.

For the next year it is proposed to continue in the Biochemic Division the routine work which has already been referred to, and in addition to take up as many new problems as the laboratory facilities and the number of assistants at work will allow. In connection with this routine work it will be necessary for the division to examine numerous samples of dips used for treating diseased sheep that are subjects of interstate commerce in order to ascertain if these dips have a satisfactory percentage of active ingredients to be recognized as efficient remedies.

## THE EXPERIMENT STATION OF THE BUREAU.

## PRODUCTION OF HOG CHOLERA AND SWINE PLAGUE SERUM.

Investigations relative to the production of hog cholera and swine plague serum have been continued at the experiment station of the Bureau. The results obtained in the past from serum prepared by the station, working in conjunction with the Biochemic Division, have

afforded much encouragement and have justified the continuation of the work on a much larger scale. The attempt is being made to produce a sufficient amount of antitoxic serum to treat all the hogs affected with or exposed to hog cholera or swine plague in a territory embracing four counties specially selected for experimental work, so that the final deductions concerning the value of the serum treatment for these diseases may leave no room for adverse criticism.

The portion of this work assigned to the experiment station consisted in the selection of proper animals for supplying the serum, and also the care, preparation, and treatment of these animals throughout the course of the experiment. A thorough effort is being made to find the species of animal best adapted to furnish this serum, and also the best method of administering the cultures of bacteria and the products of cultures to give the serum of the animals an antitoxic value. It is also designed to find the best and least expensive treatment of the unfavorable conditions which frequently follow the injection of cultures of disease-producing bacteria. Cultures of various ages, in combination with a variety of drugs and under a variety of conditions, have been used, and always with one object in view, namely, to obtain the most active antitoxic serum at the least possible cost and with the least inconvenience to the animal supplying it.

While the treatment of hog cholera and swine plague with antitoxic serum has proved to be of great value, and further investigations along this line will be made, the possibility that a method may be discovered by which these two important diseases can be treated successfully without the intervention of a serum animal has not been overlooked. Experiments in this direction are now being made, and while they have so far given no very encouraging results, it is desirable that they should be continued.

#### ANTITOXIC SERUM FOR TUBERCULOSIS.

Experiments to produce an antitoxic serum for the treatment and prevention of tuberculosis are also in progress, the work being done by the station in cooperation with the Biochemic Division.

#### TEXAS FEVER INVESTIGATIONS.

Much time and attention have been given to the Texas fever question. It is desirable that the method developed by the Bureau for immunizing Northern cattle which are to be shipped into the South should be improved. The same observation is true of the dips now in use for destroying ticks (*Boophilus bovis*) on Southern cattle.

The immunizing feature has been undertaken by studying the effects produced by the injection of blood serum from Southern cattle into Northern cattle. Much remains to be done in this line. The seeming difference in severity of the infection produced by the injection of blood obtained from different Southern cattle and the difference existing between the virulence of Texas fever in different portions of the so-called permanently infected areas are conditions requiring investigation.

The importance of discovering a dipping mixture through which Southern cattle may be passed to kill the ticks upon them and thus remove the danger of spreading Texas fever has not been lost sight of,



but unfortunately all mixtures used have proved inefficient. A number of different dips are now being tested at the station, and the effects produced on both the cattle and the ticks are carefully noted. Laboratory tests are also being made, and there is still reason to believe that success will eventually be attained.

A lot of cattle ticks from Puerto Rico were tested to determine whether they carried the infection of Texas fever, but a negative result was given. The ticks were found to be in all respects like our native cattle tick, with the exception that our ticks are a trifle larger and a little more oval (less circular) in outline.

#### DAIRY DIVISION.

##### VISITING DAIRY CENTERS.

The practice of visiting dairy centers and attending the annual conventions of State dairy associations and similar bodies has been continued, so far as the home duties of the chief and assistant chief of the division have permitted. In order to extend this service, in accordance with the policy of the Department, special agents were temporarily employed. Messrs. John H. Monrad and D. W. Willson, both of Illinois, served in this capacity. In all, twenty States have thus been visited by representatives of this branch of the Department. In this way hundreds of men actively engaged in the dairy industry have been met and consulted in different parts of the country, and personal relations established which will be of material benefit in future work.

##### EXPERIMENTAL EXPORTS OF BUTTER.

Under authority given in the annual appropriation act of Congress for this Department, and the special provisions made therein for the purpose, this division has had the supervision of a series of experimental exports of butter and cheese. This has been in continuation of the work of 1897-98, as already reported, but upon a plan enlarged and diversified. In this connection special agents of the Department have visited Great Britain, France, Germany, China, Japan, the Hawaiian Islands, and the Philippine Islands, and made arrangements for experimental exports to places in all these sections of the globe.

Trial shipments to Germany and France demonstrated that the markets for choice dairy products from America were by no means as good in those countries as in Great Britain, while the difficulties in transportation and the import duties imposed added to the disadvantages experienced. Accordingly, the experimental exports, made almost every week during the year 1898, and weekly until the summer of 1899, were confined to England, and mainly to the market of Manchester. The desired information having been obtained by these experiments, extending through the greater part of three years, they were discontinued in May, 1899. Then work was immediately begun upon similar exports from San Francisco to Pacific ports. No results from the latter can yet be reported.

The series of weekly experimental exports of selected creamery butter to Manchester, England, for more than a year was highly satisfactory. A group of retail merchants in the north of England was thus supplied regularly with this grade of butter from the United States, so that they had it continually on hand for their customers.

The result was that a good reputation was well established for American butter in that district, and the merchants, during the latter part of the trials, urged the shipment of larger quantities. Excepting an occasional variation from the standard, and a few instances of deterioration incident to imperfections in the facilities of transportation, this butter was eminently satisfactory to the merchants and consumers, and replaced Danish butter of first quality, which had been previously used. It was commonly retailed at the price of the best Danish, although the merchants demanded a slight concession in what they paid as an inducement to take the American article instead of the standard product of Denmark and Sweden, to which they had so long been accustomed. When the experimental shipments were discontinued the Manchester receivers expressed great disappointment, saying that the United States creamery butter had then made such a place for itself in their market, and was so regularly in demand by the retailers, that they desired to continue their supply. Application was accordingly made for the addresses of large creameries, or their selling agents, from whom fine butter in quantity could be obtained. British merchants subsequently made offers directly to manufacturers in this country for large quantities, and the only question about extending this trade was the relative prices of the highest grade of butter on the two sides of the Atlantic.

During the fiscal year covered by this report the domestic markets of the United States offered such prices for all the butter product of high grade of this country as to preclude exports upon a commercial basis. The details in connection with these experimental exports to Great Britain during the fiscal year 1898-99, and which included cheese and eggs, as well as butter, will be made the subject of a special report by the Dairy Division.

#### PROPOSED WORK FOR NEXT YEAR.

The work of the Dairy Division for the fiscal year 1899-1900 is expected to include a continuation of the different lines of effort above reported.

The experimental exports will require a large share of the attention of the working force and probably necessitate the employment of a special agent on the Pacific coast. Exports to Pacific ports, although less frequent than those to England, will involve much detail and a much longer time for obtaining results.

Refrigerated transportation can not be furnished by the steamship lines on the Pacific, and this may not be desirable at present, as cold storage is not to be found at most of the Oriental markets. It will be necessary, therefore, to send all butter, and perhaps cheese also, as well as canned and condensed milk and cream, in hermetically sealed packages, capable of preserving their contents during long voyages and in hot climates.

The art of canning butter so that it will remain in good condition for months, and when subjected to great changes of temperature, has not yet been brought to perfection in this country. Incidentally, it is desirable to give considerable attention to this subject for the benefit of exporters and those who wish to prepare butter for export to markets in warm countries.

An obstacle to successful competition in this trade is the fact, well

established, that butter made in some other countries and found in the new markets referred to has a firmer body and higher melting point, and consequently "stands up" better when the packages are opened than that which is made in the United States. Investigations show that certain feeding materials for cows have a specific effect upon the hardness of butter made from their milk. More definite information on this subject is needed, however, and it is hoped that this division may, by cooperation with agricultural experiment stations and otherwise, do something toward determining the particular kinds of food which are available in different parts of the country and which can be depended upon to regulate to a considerable degree the composition of the butter fat in milk, and hence the texture of butter.

Besides experimental exports in which the dairy industry of the Pacific coast should be particularly interested, it is proposed to ascertain the prospects for extended trade in dairy products in Mexico, the West Indies, and South America.

Through the courteous cooperation of the State Department a general inquiry has been undertaken, with a view to learning more than is now accurately known as to the production, consumption, and commerce of dairy products in all parts of the world.

Under instructions which have been issued, the chief of the dairy division will procure and superintend the arrangement and display of suitable material for a collective exhibit of the dairy industry of the United States at the Paris Exposition of 1900.

The following statement shows the amount of the disbursements made for the various branches of the work for the fiscal year:

*Statement of disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899.*

	Salaries.	Traveling expenses.	Miscellaneous.	Total.
Meat inspection .....	\$440,159.37	\$608.60	\$24,137.87	\$464,905.84
Microscopic inspection .....	189,595.98	187.24	9,233.43	199,016.65
Export cattle inspection .....	61,171.71	675.98	4,091.94	65,939.63
Southern cattle inspection .....	34,312.54	6,264.32	773.79	41,350.65
Import cattle inspection .....	5,881.06	2,310.94	24.00	8,216.00
Washington and miscellaneous .....	11,891.90	1,069.41	1,992.89	14,954.20
Scientific investigations .....	4,850.65	3,921.64	5,977.27	14,779.56
Experiment station, Bethesda, Md .....	7,095.80	.....	2,411.03	9,506.83
Dairy division .....	1,237.67	1,364.42	33,163.84	35,765.93
Collecting information .....	2,616.89	575.48	2,329.91	5,522.28
Hog-cholera serum experiments .....	7,629.66	2,749.35	7,408.28	17,787.29
Contagious diseases of horses .....	.....	.....	598.00	598.00
Total .....	766,473.23	19,727.38	92,142.25	878,342.86

Accompanying this statement will be found a list of the names of the persons employed and an itemized statement of expenditures and the amount appropriated.



Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899.

## STATUTORY SALARIES, BUREAU OF ANIMAL INDUSTRY.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
WASHINGTON, D. C.									
D. E. Sulmon.....	Chief of Bureau.....	July 1, 1896	.....	.....	\$4,000	.....	.....	.....	.....
G. M. Brumbaugh.....	Assistant Chief of Bureau.....	do	.....	.....	2,500	.....	.....	.....	.....
A. D. Melvin.....	Chief of inspection division.....	do	Dec. 31, 1898	.....	2,500	.....	.....	.....	.....
Do.....	Assistant Chief of Bureau.....	Jan. 1, 1899	.....	.....	2,000	.....	.....	.....	.....
S. R. Burch.....	Chief Clerk.....	Jan. 1, 1897	.....	.....	2,000	.....	.....	.....	.....
A. M. Farrington.....	Chief miscellaneous division.....	Aug. 16, 1895	.....	.....	2,000	.....	.....	.....	.....
Do.....	Chief inspection division.....	Jan. 1, 1899	.....	.....	2,500	.....	.....	.....	.....
Edw. B. Jones.....	Assistant chief inspection division.....	Aug. 16, 1895	.....	.....	1,800	.....	.....	.....	.....
T. A. Geddes.....	Chief miscellaneous division.....	Jan. 1, 1899	.....	.....	2,000	.....	.....	.....	.....
Henry E. Alvord.....	Chief dairy division.....	July 1, 1895	.....	.....	2,500	.....	.....	.....	.....
R. A. Pearson.....	Assistant chief dairy division.....	Sept. 1, 1895	.....	.....	1,800	.....	.....	.....	.....
Victor A. Norgaard.....	Chief pathological division.....	Nov. 1, 1896	.....	.....	2,250	.....	.....	.....	.....
Louise Tayler.....	Assistant in pathological division.....	Oct. 16, 1897	.....	.....	1,200	.....	.....	.....	.....
James M. Pickens.....	do.....	July 1, 1898	.....	.....	1,200	.....	.....	.....	.....
Do.....	Clerk.....	May 1, 1899	.....	.....	1,400	.....	.....	.....	.....
John R. Mohler.....	Assistant in pathological division.....	June 1, 1899	.....	.....	1,200	.....	.....	.....	.....
Thos. B. Reamy.....	do.....	July 1, 1893	.....	.....	840	.....	.....	.....	.....
E. A. de Schweinitz.....	Chief biochemic division.....	July 1, 1895	.....	.....	2,250	.....	.....	.....	.....
James A. Emery.....	Assistant in biochemic division.....	Aug. 1, 1895	.....	.....	1,200	.....	.....	.....	.....
Irving Frickey.....	do.....	July 1, 1898	.....	.....	1,200	.....	.....	.....	.....
W. S. Stamper.....	do.....	July 1, 1896	.....	.....	720	.....	.....	.....	.....
Ch. Wardell Stiles.....	Zoologist.....	do	.....	.....	2,000	.....	.....	.....	.....
E. C. Schroeder.....	Veterinary inspector.....	July 1, 1894	.....	.....	1,800	.....	.....	.....	.....
Chas. F. Dawson.....	do.....	Nov. 1, 1896	.....	.....	1,800	.....	.....	.....	.....
Marion Dorset.....	do.....	July 1, 1898	.....	.....	1,400	.....	.....	.....	.....
Albert Hassall.....	do.....	July 1, 1892	.....	.....	1,400	.....	.....	.....	.....
W. E. Cotton.....	Assistant, veterinary experiment station.....	Sept. 1, 1895	.....	.....	1,000	.....	.....	.....	.....
H. H. Gerdes.....	Clerk.....	Apr. 1, 1897	.....	.....	1,800	.....	.....	.....	.....
A. J. Olin.....	do.....	do	.....	.....	1,000	.....	.....	.....	.....
Fannie N. Gregory.....	do.....	July 1, 1898	.....	.....	1,400	.....	.....	.....	.....
Evelyn Lyons.....	do.....	do	.....	.....	1,400	.....	.....	.....	.....
Mary Sullivan.....	do.....	Apr. 1, 1897	.....	.....	1,400	.....	.....	.....	.....
Mary T. Dent.....	do.....	Mar. 1, 1893	.....	.....	1,200	.....	.....	.....	.....
Joseph Abel.....	do.....	July 1, 1896	.....	.....	1,200	.....	.....	.....	.....

*Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.*

STATUTORY SALARIES, BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
WASHINGTON, D. C.—cont'd.									
I. C. I. Evans	Clerk	Nov. 1, 1896	.....	.....	\$1,200	.....	.....	.....	.....
M. H. Mahon	do	Apr. 1, 1897	.....	.....	1,200	.....	.....	.....	.....
M. G. Marshall	do	July 1, 1897	.....	.....	1,200	.....	.....	.....	.....
M. N. Barnard	do	July 1, 1890	.....	.....	1,000	.....	.....	.....	.....
Benj. G. Wasdon	do	Jan. 4, 1897	.....	.....	1,000	.....	.....	.....	.....
Mary E. Fagan	do	Sept. 21, 1897	.....	.....	1,000	.....	.....	.....	.....
Juliet B. Graham	do	July 1, 1898	.....	.....	1,000	.....	.....	.....	.....
Nellie F. Haughton	do	.....do	.....	.....	1,000	.....	.....	.....	.....
M. C. Montgomery	do	.....do	.....	.....	1,000	.....	.....	.....	.....
Melpherson Reynolds	do	Sept. 12, 1897	.....	.....	1,000	.....	.....	.....	.....
Anna C. Kelton	do	Dec. 1, 1898	June 30, 1899	.....	840	.....	.....	.....	.....
M. D. Brown	do	Aug. 10, 1898	Aug. 14, 1898	.....	840	.....	.....	.....	.....
Asa H. Kite	Messenger	July 1, 1896	.....	.....	720	.....	.....	.....	.....
Edw. J. Maloy	do	Nov. 1, 1896	.....	.....	720	.....	.....	.....	.....
Wm. H. Moore	do	Oct. 23, 1896	.....	.....	720	.....	.....	.....	.....
Wm. P. Stedman	do	July 1, 1896	.....	.....	720	.....	.....	.....	.....
Geo. I. Hall	Fireman	Jan. 1, 1896	.....	.....	720	.....	.....	.....	.....
H. S. Mott	do	Mar. 15, 1895	.....	.....	720	.....	.....	.....	.....
Lena Bradford	Skilled laborer	July 1, 1896	.....	.....	660	.....	.....	.....	.....
Geo. W. Scheerer	do	Jan. 16, 1898	.....	.....	660	.....	.....	.....	.....
Wm. S. D. Haines	Artist	July 1, 1896	.....	.....	1,400	.....	.....	.....	.....
Wm. C. Shimoncock	Messenger	Apr. 3, 1897	.....	.....	720	.....	.....	.....	.....
L. Wm. Thavis	Laborer	July 1, 1898	.....	.....	720	.....	.....	.....	.....
Emily J. Wilde	do	July 1, 1897	.....	.....	720	.....	.....	.....	.....
Jennie Jones	do	July 1, 1896	.....	.....	400	.....	.....	.....	.....
Louise Douglass	Charwoman	Oct. 1, 1897	.....	.....	480	.....	.....	.....	.....
Ida E. Hendley	do	Feb. 1, 1899	.....	.....	480	.....	.....	.....	.....
Catherine Baltimore	do	May 6, 1895	.....	.....	240	.....	.....	.....	.....
Do	do	Aug. 18, 1898	.....	.....	480	.....	.....	.....	.....
Do	do	Oct. 1, 1898	.....	.....	240	.....	.....	.....	.....
Sarah L. Garner	do	May 10, 1898	Nov. 1, 1898	.....	240	.....	.....	.....	.....





*Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
WASHINGTON, D. C.—cont'd.									
Chicago and Northwestern Rwy. Co.						Transportation, Burch and Melvin.		\$22.45	
Chicago, Burlington and Quincy R. R. Co.						Transportation, Brumbaugh.		12.75	
Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.						Transportation, Brumbaugh and Melvin.		24.00	
The Missouri Pacific Rwy. Co.						Transportation, Burch and Melvin.		14.25	
Wyckoff, Seamans & Benedict.						Repairing typewriter.			\$0.50
John R. Galloway.						Electric fans and fixtures.			120.00
Adams Express Co.						Expressage.			126.89
United States Express Co.						do.			138.85
J. R. Buckelew.						Letter books and stationery.			110.03
John C. Parker.						Fountain pens and stationery.			88.55
Georgetown and Tennallytown Rwy. Co.						Street-car tickets.			15.00
Capital Traction Co.						do.			20.00
W. H. Hoete.						Table.			8.00
The White, Corbin & Co.						Printed envelopes.			107.59
B. F. T. Bell.						Turning desk legs.			75
Library Bureau.						Guide and file cards.			47.41
Chas. R. Edmonston.						Rubber gaskets.			40
Holyoke Envelope Co.						Printed envelopes.			84.70
The Springfield Envelope Co.						Manila envelopes.			6.25
Rufus P. Clarke.						Cloth desk cover.			2.50
W. B. Moses & Sons.						Carpet, screens, chair, etc.			204.71
Church & Stephenson.						Lumber.			4.92
Western Union Telegraph Co.						Telegrams.			80.49
Postal Telegraph-Cable Co.						do.			47.11
Rudolph, West & Co.						Water-cooler and hardware.			13.89
C. Voigt.						Officers' badges.			400.50
The Chesapeake and Potomac Telephone Co.						Telephone.			48.64
Charles Becker.						White lead and oil.			52.70
C. A. Woolsey Paint & Color Co.						Calcimine.			7.00
Galvanotype Engraving Co.						Line engravings.			11.33
Charles E. Stubbs.						Special report.			232.00







W. A. Pate.....						Pulleys and sashes.....	2.08
W. H. Butler.....						Window and ruby glass.....	13.31
The Chesapeake and Potomac Telephone Co.						Telephone rental.....	24.32
J. B. Colt & Co.						Criterion lantern.....	119.42
F. P. May & Co.						Saw files.....	.50
L. J. Grant.....						Bricks, sand, and cement.....	18.00
Chas. R. Edmonston.....						Agate can cover and filter tubes.....	38.90
J. C. Thornton & Son.....						Registered Shorthorn cows.....	250.00
Dulin, Martin & Co.						Copper funnel and pans.....	3.75
Mercer & Co.						20 grams aniline sudan.....	1.09
W. F. Strothide.....						Yearling calves.....	38.00
H. C. Dale.....						do.....	39.00
The E. E. Jackson Co.						Lumber.....	9.09
The Houghton Co.						Window shades.....	30.45
Jas. G. Bowen.....						Hire, horse and buggy.....	66.00
The Chas. Withms Surgical Instrument Co.						Trocars and cannulas.....	10.15
Fred A. Schmidt.....						Artists' instruments.....	13.64
M. Du Perow.....						Speaking tubes and whistles.....	6.90
Frank Beke.....						Calves.....	60.00
Ernest Belz.....						Ventilators and labor.....	5.25
F. M. Thornion.....						Caring for cattle.....	17.90
C. A. Muddman & Co.						Gas brackets.....	3.57
Washington Gaslight Co.						Gas.....	321.00
Maxwell Brothers.....						Boxes.....	55.75
A. A. Winfield.....						Meat.....	13.95
EXPERIMENT STATION, BE- THESDA, MD.							
Wm. Emerson.....					Feb. 17, 1899		\$310.30
Geo. W. Brett.....					July 1, 1898		780.00
Taylor Price.....					do.....		720.00
Flagler H. Phillips.....					Oct. 23, 1897		600.00
John Richards.....					July 1, 1896		500.00
Herbert Henderson.....					July 1, 1898		419.90
Jas. M. Boardman.....					Sept. 1, 1898		500.00
John J. Conley.....					Sept. 21, 1898		466.67
Robt. W. Waters.....					Sept. 1, 1898		100.00
J. W. Stewart.....					Apr. 1, 1898		528.39
J. A. Moxley.....					do.....		445.16
Do.....					Oct. 1, 1898		161.61
B. E. Beckwith.....					Jan. 20, 1899		158.71
Jas. S. Carwell.....					Jan. 21, 1899		178.06
Frank Clark.....					Jan. 1, 1899		330.00
Jos. Lindner.....					May 23, 1898		105.48
John Prather.....					Mar. 10, 1899		348.39
H. E. Suit.....					July 1, 1898		80.13
Henry Suydam.....					Feb. 25, 1899		

<sup>1</sup> Per month.

*Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Miscellaneous.
EXPERIMENT STATION, BELTHESDA, MD.—continued.								
David Turner	Laborer	Apr. 16, 1898	Apr. 30, 1899	\$30.00		Rent, experiment station	\$300.00	\$600.00
Otto F. Grenner	do	Apr. 13, 1899	June 30, 1899	130.00		Green corn feed	63.00	10.00
Bradley Davidson						White oats		175.00
Do.						Boiler grates and repairing		12.00
Wm. M. Galt & Co.						Carbolic acid, alum, and sulphur.		43.09
E. S. Willson & Co.						Cabbage, kale, and meal.		59.23
Mackall Bros.						Horseshoeing		45.57
A. Wilson & Bro.						Hardware, netting, and zinc		134.14
Wm. Lochte						Valves and pipes.		15.62
Rudolph, West & Co.						Towels		20.10
Thos. Somerville & Sons						Towels, laundry		4.14
Rufus P. Clarke						do		12.30
E. C. Schroeder						Stove and furnace coal.		268.50
Sarah Richards						Repairing wagon, &c.		11.50
Mackall & Ball						Plugs		9.25
The Melbermont Carriage Co.						Insulators and batteries.		6.14
M. G. Copeland & Co.						Batteries		1.50
M. Du Perow						Freight on oil and lime		1.60
J. H. Bunnell & Co.						Prepared feed		6.00
Georgetown and Tennallytown Rwy. Co.						Electric buttons and wire.		.75
Ed. S. Schmid						Packing for steam engine.		4.16
Royce & Nareau						Hardware and lime		17.45
Clarence E. McCoy						Turpentine and chimneys.		2.55
James B. Lambie						Chairs and rugs		20.20
Geo. F. Muth & Co.						Harness oil and glass.		11.50
W. B. Moses & Sons.						Kerosene and dipping oil		105.20
W. H. Butler						Lumber and hauling		173.07
Standard Oil Co.						Freight and drayage		16.40
Church & Stephenson						6 pounds tacks		.39
Merchants' Parcel Delivery						Telephone.		300.00
Louis Hartig						Harness		49.65
The Chesapeake and Potomac Telephone Co.						Hauling and freight on oil.		13.40
Lutz & Co.						Wheelbarrows and washers.		13.30
The Geo. W. Knox Express Co.								
W. Willett Trego								



Z. D. Gilman.....						Sulphur, potash, etc.....		4.70
Melville Lindsey.....						Hose, and rubber packing.....		34.18
David Pfisterling.....						Cattle.....		185.00
John D. Grady.....						Surveying.....		16.00
C. Becker.....						Robe, and harness dressing.....		8.45
DAIRY DIVISION.								
Newton B. Ashby.....	Special agent.....	Mar. 30, 1898	Sept. 20, 1898	1200.00			466.67	\$175.19
Edw. B. Holland.....	do.....	Mar. 10, 1899	June 9, 1899	1135.00			405.00	
J. H. Moorhead.....	do.....	Dec. 28, 1898	Feb. 15, 1899	6.00			162.00	70.85
Saml. E. Watson.....	do.....	June 10, 1899		6.00			36.00	
D. W. Willson.....	Expert and special agent.....	Nov. 14, 1898	Dec. 31, 1898	6.00			168.00	124.14
Henry E. Alvord.....						Traveling expenses.....		435.71
R. A. Pearson.....						do.....		502.42
James W. Wilson.....						do.....		24.00
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.						Transportation R. A. Pearson.....		4.15
Chicago and Northwestern Rwy. Co.						do.....		16.46
Chicago, Burlington and Northern R. R. Co.						do.....		11.50
Pennsylvania R. R. Co.						Freight on butter.....		328.38
White Star Line.....						do.....		89.35
Hamburg-American Line.....						do.....		41.52
De Witt Goodrich.....						Butter.....		201.33
Iowa Agricultural College.....						do.....		4,073.63
Hovey Clark & Co.....						do.....		4,377.48
E. B. Woodward.....						do.....		384.06
Board's Creameries.....						do.....		9,854.07
J. G. Turnbull.....						do.....		216.07
Albert Lea Dairy Association.....						do.....		9,576.02
Schwarz. & Sulz. Co.....						Transportation of butter.....		105.44
Swift & Co.....						do.....		1,023.29
Merchants' Refrigerating Co.						Transportation and storing of butter.....		498.83
John S. Martin & Co.....						Cheese.....		226.13
Boardman Bros.....						Eggs.....		279.00
Cornish, Curtis & Greene.....						Butter boxes and linings.....		484.94
Manufacturing Co.								
E. J. Pullman.....						Photographic plates and cikonogen.....		8.00
Yawman & Erbe Manufacturing Co.						Binding cases and files.....		12.60
John C. Parker.....						Shoe tags.....		10.00
John W. Hillis.....						Paintings of cattle.....		100.00
J. E. Buckelew.....						Tabulator and R. P. paper.....		48.80
The Geo. W. Knox Express Co.						Drayage and freight.....		.70
The R. H. Smith Manufacturing Co.						Paragon numbering machine.....		9.00
J. A. Lawrence.....						Dairy inspector's test case.....		6.00

1 Per month.





Chicago and Northwestern Rwy. Co.						Transportation, W. B. Niles	10. 60	
The Minneapolis and St. Louis R. R. Co.						do	7. 20	
Chicago and Great Western Rwy. Co.						Transportation, C. H. Stevens	14. 00	
Northern Pacific Rwy. Co.						do	7. 28	
HOG CHOLERA SERUM EXPERIMENTS.								
John McBirney	Inspector.	June 15, 1897			1, 400			198. 53
Do.	do	Dec. 1, 1898			1, 600		881. 64	3. 05
W. B. Niles	Expert and special agent	Aug. 20, 1898			1, 400		191. 67	
Abram M. Adams	Assistant inspector	Feb. 12, 1897			1, 200		146. 13	
H. B. Waldron	Foreman of laborers	Feb. 1, 1899					340. 58	
J. I. Bagnall	Laborers	Apr. 11, 1899		3. 00				
J. E. Cadwell	do	do		2. 50				
J. M. Campbell	do	do		2. 50				
M. M. Chambers	do	Apr. 10, 1899		2. 50				
Wm. Cozad	do	do		2. 50				
J. E. Frank	do	Apr. 24, 1899		2. 50				
S. N. Heaton	do	Apr. 10, 1899		2. 50				
Geo. E. Leith	do	do		2. 50				
Millard F. Lewis	do	do		2. 50				
John Mullin	do	do		2. 50				
D. C. Owens	do	Sept. 9, 1898		2. 50				
C. H. Polk	do	Apr. 10, 1899		2. 50				
Henry Thomas	do	do		2. 50				
M. V. Thompson	do	Apr. 11, 1899		2. 50				
Henry Towns	do	Apr. 10, 1899		2. 50				
Wm. Van Ausdale	do	do		2. 50				
D. E. Way	do	do		2. 50				
Do.	do	June 21, 1897		2. 00			709. 18	
Aug. C. Becker	do	Sept. 1, 1898		2. 50			153. 78	
M. Stone	do	Apr. 3, 1899		2. 00			135. 06	
Marion Dorset	do	do		2. 00			47. 84	
Chicago and Northwestern Rwy. Co.						Traveling expenses.		
						Transportation, J. McBirney	10. 84	
The Chesapeake and Ohio Rwy. Co.						Transportation, M. Dorset	27. 00	
The Chicago and Alton R. R. Co.						do	25. 25	
Kansas City, St. Joseph and Council Bluffs R. R. Co.						do	4. 68	
Pennsylvania R. R. Co.						Transportation, T. A. Geddes	26. 80	
Chicago, Burlington and Quincy R. R. Co.						do	9. 95	
Quincy R. R. Co.								
E. A. de Schweinitz						Hire horse and buggy		72. 00
Do.						Miscellaneous expenses		229. 12
The Kny-Scheerer Co.						Syringes and irrigators		57. 00

1 Per month.







*Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.				
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.	
EXPORT CATTLE INSPECTIONS—continued.										
New York, N. Y.—Continued.										
Jas. Flannery	Stock examiner	Jan. 1, 1894			\$1,000				\$1,000.00	
Wm. Foley	do	do			1,000				1,000.00	
Chas. F. Cramer	Tagger	May 1, 1896			720				720.00	
Edw. L. Flannery	do	Feb. 1, 1896			720				720.00	
Geo. Messemmer	do	Sept. 15, 1893			720				720.00	
Chas. J. Munzing	do	Nov. 6, 1893			720				299.40	
Geo. E. Schumacher	do	Feb. 6, 1896			720				720.00	
James Stikeman								Office rent		\$500.00
New York Telephone Co								Telephone rental		140.91
Philadelphia, Pa.										
George Carter	Stock examiner	Jan. 1, 1894			1,000				1,000.00	
Wm. J. Haughey	Laborer	Aug. 22, 1896		\$2.00					88.00	
Chas. A. Schaufier								Office expenses		49.25
John Wanmaker								Water cooler and stand		6.75
George Carter								Street-car fares		2.87
Norfolk, Va.										
George C. Faville	Inspector	Dec. 15, 1893			1,400				1,482.80	32.76
Do	do	Feb. 1, 1899			1,600					
Sol Miller	Stock examiner	May 1, 1894			1,000				1,000.00	
J. A. Turner Co								Office rent		144.00
Pittsburg, Pa.										
Harry N. Waller	Inspector	Apr. 1, 1898			1,400				1,400.00	
John T. Callahan	Laborer	Sept. 3, 1897	Mar. 14, 1899	2.00					32.00	
Louis R. Conick	do	June 19, 1899		2.00					10.00	
Daniel Hilty	do	Nov. 21, 1898		2.00					72.00	
Wm. Miller	do	June 1, 1896		2.00					36.00	
Walter J. Moran	do	do		2.00					32.00	
Geo. K. Myers	do	Nov. 21, 1898		2.00					47.00	
Harry N. Waller								Office expenses and street-car fares.		53.11

*Buffalo, N. Y.*

Nelson P. Hinkley.....	Inspector.....	Aug. 1, 1893	Nov. 30, 1898	1,800	728.81	
Bernhard P. Wende.....	do.....	Sept. 11, 1893		1,400	1,400.00	
Louis A. Robinson.....	do.....	Jan. 1, 1897		1,400	1,396.23	
Charles H. Zink.....	Assistant inspector	June 1, 1896		1,200	\$36.75	3.90
Do.....	Inspector.....	Dec. 1, 1898		1,400	827.68	
Louis K. Green.....	Assistant inspector	Oct. 1, 1896		1,200	97.80	
Benjamin Howes.....	do.....	Feb. 1, 1898		1,200	338.16	
Wm. A. Rushworth.....	do.....	Dec. 15, 1896		1,200	600.00	
Ernest L. Volgenan.....	do.....	Dec. 2, 1895		1,200	123.30	
Albert H. Hoyt.....	Clerk.....	May 1, 1893		1,000	986.36	
George H. Russell.....	do.....	Nov. 10, 1897		840	835.38	
Albert W. Meyer.....	Stock examiner	Feb. 15, 1896		900	450.00	
Harrison L. Newton.....	do.....	Nov. 8, 1894		900	302.50	
Henry L. Rieman.....	do.....	Feb. 15, 1896		720	101.84	
Wm. J. Carroll.....	Tagger.....	Apr. 16, 1894	June 17, 1899	720	239.30	
Miehl, Choinacki.....	do.....	do.....		720	581.96	
Frank J. Danaly.....	do.....	May 1, 1893		720	720.00	
Ransom Hinkson.....	do.....	Apr. 25, 1896		720	720.00	
John Mazurowski.....	do.....	July 1, 1893		720	60.60	
Jas. F. Hughes.....	Laborer.....	May 9, 1898		720	40.00	
Clinton N. Hinkley.....	do.....	Aug. 26, 1898	Sept. 18, 1898	2.00		
The East Buffalo Live Stock Exchange Co.						360.00
The Bell Telephone Co. of Buffalo.						24.00

*Chicago, Ill.*

James Fleming.....	Assistant Inspector.	Jan. 1, 1896		1,200	1,200.00	
Max Wolf.....	Clerk.....	Feb. 1, 1896		1,000	1,000.00	
Jas. V. De Vine.....	Live stock agent.	Jan. 1, 1894		900	892.89	
Arda Watson.....	do.....	do.....		900	74.20	
F. C. Cooley.....	do.....	Nov. 1, 1895		900	807.72	
Dighton Granger.....	do.....	June 1, 1898		900	75.80	
Wm. C. Honan.....	do.....	May 1, 1897		900	900.00	
John F. Kelly.....	do.....	June 30, 1895		900	900.00	
Miehl, J. Quirk.....	do.....	Jan. 16, 1895		900	900.00	
Jeremiah Holland.....	Tagger.....	June 12, 1894		720	720.00	
De L. Howard.....	do.....	Sept. 15, 1893		720	297.50	
Frank A. Paddock.....	do.....	Feb. 1, 1898		720	500.92	
Miehl, M. Murray.....	do.....	Dec. 15, 1893		720	698.06	
Richard Walsh.....	do.....	June 1, 1894		720	720.00	
J. C. Whitney.....	do.....	Oct. 1, 1898		720	463.56	
Hiram Grables.....	Laborer.....	Sept. 1, 1896	2.00		80.00	
W. S. De Voe.....						13.91
John Schroeder.....						2.25
Union Stock Yards and Transit Co.						180.00





James C. Keely	do	Nov. 10, 1896	1,200	1,160.86	112.35
Jno. A. Kierian	do	Apr. 1, 1898	1,200	1,035.52	157.60
Louis A. Klein	do	Jan. 17, 1898	1,200	701.10	111.60
Park H. Muldowney	do	May 23, 1898	1,200	198.93	24.40
S. J. Murray	do	Feb. 1, 1896	1,200	1,200.00	144.69
Jno. P. O'Leary	do	Feb. 10, 1898	1,200	63.08	
Thomas L. Rice	do	Aug. 15, 1895	1,200	890.11	213.06
C. J. Sihler	do	July 1, 1897	1,200	987.49	35.75
Frank T. Shannon	do	Apr. 1, 1897	1,200	61.96	
Rice T. Steddom	do	May 26, 1898	1,200	796.70	601.51
J. J. Summerfield	do	Mar. 21, 1898	1,200	326.09	47.16
A. J. Murray	do	Nov. 15, 1897	1,200	205.00	111.50
Joseph Bruser	Live stock agent	do	1,200	1,200.00	
W. E. Hill	do	Jan. 1, 1894	1,200	1,200.00	111.25
Wm. D. Jorden	do	do	1,200	1,200.00	658.61
Dan Cunningham	do	do	1,200	1,200.00	394.49
George C. Moser	do	do	1,200	1,200.00	186.09
Joseph W. Parker	Clerk	Mar. 1, 1898	900	900.00	
W. N. D. Bird	Stock examiner	Mar. 15, 1895	900	703.30	50.95
B. L. Stine	do	Aug. 1, 1897	900	826.61	26.25
Albert Dean	do	do	do	180.00	
The Kansas City Stock Yards	do	do	do	do	do
of Missouri	do	do	do	do	do
Galveston, Harrisburg, and	do	do	do	do	do
San Antonio Rwy. Co.	do	do	do	do	do
San Antonio and Aransas	do	do	do	do	do
Pass Rwy. Co.	do	do	do	do	do
International and Great	do	do	do	do	do
Northern R. R. Co.	do	do	do	do	do
Alice and Brownsville Stage	do	do	do	do	do
Co.	do	do	do	do	do
The Chicago and Alton R. R.	do	do	do	do	do
Co.	do	do	do	do	do
Southern California Rwy. Co.	do	do	do	do	do
Union Pacific R. R. Co.	do	do	do	do	do
Southern Pacific Co.	do	do	do	do	do
Burlington and Missouri River	do	do	do	do	do
R. R. in Nebraska.	do	do	do	do	do
St. Louis and San Francisco	do	do	do	do	do
R. R. Co.	do	do	do	do	do
Houston and Texas Central	do	do	do	do	do
R. R.	do	do	do	do	do
The Atchison, Topeka and	do	do	do	do	do
Santa Fe Rwy. Co.	do	do	do	do	do
Kansas City, Fort Scott and	do	do	do	do	do
Memphis R. R. Co.	do	do	do	do	do
Missouri, Kansas and Texas	do	do	do	do	do
Rwy. Co.	do	do	do	do	do
Chicago, Burlington and	do	do	do	do	do
Quincy R. R. Co.	do	do	do	do	do
Transportation, Bond, Rice,	do	do	do	do	do
et al.	do	do	do	do	do
Transportation, Kelly and	do	do	do	do	do
Bells.	do	do	do	do	do
Transportation, Eells, Adams,	do	do	do	do	do
Rice et al.	do	do	do	do	do
Transportation, Frank C.	do	do	do	do	do
Bells.	do	do	do	do	do
Transportation, Kiernan and	do	do	do	do	do
Muldowney.	do	do	do	do	do
Transportation, W. E. Hill	do	do	do	do	do
Transportation, G. C. Moser.	do	do	do	do	do
Transportation, Hill, Blemer,	do	do	do	do	do
Allen et al.	do	do	do	do	do
Transportation, G. C. Moser.	do	do	do	do	do
Transportation, Bird, Adams	do	do	do	do	do
and Sihler.	do	do	do	do	do
Transportation, R. P. Sted-	do	do	do	do	do
dom.	do	do	do	do	do
Transportation, Bond and	do	do	do	do	do
Steddom.	do	do	do	do	do
Transportation, Adams and	do	do	do	do	do
Sihler.	do	do	do	do	do
Transportation, J. C. Keely	do	do	do	do	do
Transportation, R. P. Sted-	do	do	do	do	do
dom.	do	do	do	do	do
Office expenses.	do	do	do	do	do
Office rent.	do	do	do	do	do
Transportation, Bond, Rice,	do	do	do	do	do
et al.	do	do	do	do	do
Transportation, Kelly and	do	do	do	do	do
Bells.	do	do	do	do	do
Transportation, Eells, Adams,	do	do	do	do	do
Rice et al.	do	do	do	do	do
Transportation, Frank C.	do	do	do	do	do
Bells.	do	do	do	do	do
Transportation, Kiernan and	do	do	do	do	do
Muldowney.	do	do	do	do	do
Transportation, W. E. Hill	do	do	do	do	do
Transportation, G. C. Moser.	do	do	do	do	do
Transportation, Hill, Blemer,	do	do	do	do	do
Allen et al.	do	do	do	do	do
Transportation, G. C. Moser.	do	do	do	do	do
Transportation, Bird, Adams	do	do	do	do	do
and Sihler.	do	do	do	do	do
Transportation, R. P. Sted-	do	do	do	do	do
dom.	do	do	do	do	do
Transportation, Bond and	do	do	do	do	do
Steddom.	do	do	do	do	do
Transportation, Adams and	do	do	do	do	do
Sihler.	do	do	do	do	do
Transportation, J. C. Keely	do	do	do	do	do
Transportation, R. P. Sted-	do	do	do	do	do
dom.	do	do	do	do	do

*Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.			
SOUTHERN CATTLE INSPECTION—continued.										
<i>Kansas City, Kans. and Mo.—Continued.</i>										
The Union Pacific, Denver and Gulf Rwy. Co.						Transportation, G. C. Moser.			\$3.50	
Gulf, Colorado and Santa Fe Rwy. Co.						Transportation, T. L. Rice.			8.35	
Chicago, Rock Island and Texas Rwy. Co.						Transportation, R. P. Steadom.			5.85	
<i>Chicago, Ill.</i>										
Benj. S. Paddock	Live stock agent	Nov. 1, 1896			\$1,200		\$1,036.68			
Edw. Brundige	Stock examiner	Jan. 16, 1894			900		784.98			
Wm. C. Honan	do	May 1, 1897			900		787.48		236.65	
Richd. E. Lyman	do	Apr. 23, 1894			900		562.48			
Wm. C. Evans	Tagger	Dec. 1, 1898			720		291.96			
Hiram Grable	Laborer	Sept. 1, 1896		\$2.00			632.00			
<i>East St. Louis.</i>										
Jno. F. Seliermann	Stock examiner	Apr. 1, 1897			900		787.48			
Joseph Sullivan	Tagger	Feb. 15, 1895			720		629.95			
<i>Norfolk, Va.</i>										
Joseph M. Turner	Stock examiner	Mar. 10, 1896			900		900.00		30.25	\$4.35
Walter E. Stoner	Tagger	Apr. 7, 1897			720		720.00		47.00	3.95
George C. Faville						Traveling and street-car fares.				60.72
<i>Miscellaneous.</i>										
T. A. Geddes	Inspector	Apr. 1, 1898			1,600		800.00		504.21	
W. N. D. Bird	Assistant inspector	Mar. 15, 1895			1,200		496.70		55.74	
Rice P. Steadom	do	Apr. 1, 1897			1,200		403.30		426.17	3.50
James Irwin	Stock examiner	June 15, 1897			1,000		1,000.00			
W. C. Ruyen	Live stock agent	Nov. 30, 1894			1,100.00		400.00		47.54	
James W. Davis		Dec. 17, 1898				Hire, horse and buggy.				168.00
Nathan K. Fogley						Traveling expenses.			7.20	





*Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—continued.									
Chicago, Ill.—Continued.									
Saml. G. Burkholder	Assistant inspector	Jan. 1, 1897			\$1,200		\$456.50		
Herman Busman	do	Feb. 23, 1898			1,200		1,190.24		
L. Enos Day	do	Apr. 15, 1897			1,200		1,200.00		
Hiram W. Hawley	do	Nov. 1, 1895			1,200		1,068.25		
Jas. G. Hope	do	Mar. 4, 1898			1,200		1,200.00		
Walter E. Howe	do	Apr. 11, 1898			1,200		1,200.00		
Geo. E. Jobson	do	July 20, 1898			1,200		1,128.06		
Jas. C. Keely	do	Mar. 1, 1898			1,200		39.13		
Jno. A. Kiernan	do	Nov. 10, 1896			1,200		58.70		
Louis A. Klein	do	Apr. 1, 1898			1,200		489.14		
George A. Lytle	do	Nov. 10, 1896			1,200		1,200.00		
Frank B. McCall	do	Mar. 4, 1898			1,200		1,186.80		
Chas. E. McNeil	do	Jan. 4, 1897			1,200		1,190.14		
Harry D. Paxson	do	Dec. 15, 1898			1,200		1,167.03		
Adolph J. Pistor	do	Mar. 4, 1898			1,200		652.13		
Albert E. Rishel	do	Jan. 17, 1898			1,200		1,200.00		
Wm. C. Siegmund	do	Apr. 1, 1898			1,200		1,130.60		
Wm. H. Smith, jr	do	Apr. 15, 1897			1,200		1,120.11		
Frank S. Tufts	do	Aug. 9, 1898			1,200		1,200.00		
Michl. T. Naughton	do	Nov. 1, 1896			1,200		330.00		
Benj. S. Paddock	Live stock agent	Sept. 1, 1894			1,000		150.01		
Charles Batting	Clerk	Jan. 1, 1896			1,000		997.20		
B. A. Galligan	do	Feb. 1, 1896			1,000		1,000.00		
E. B. Luce	do	Dec. 15, 1893			1,000		1,000.00		
Charles S. Pew	do	Jan. 10, 1898			1,000		1,000.00		
S. H. Tourtelotte	do	Nov. 1, 1895			900		900.00		
J. J. O'Malley	do	July 1, 1898			900		900.00		
Irving W. Pew	do	June 1, 1897			900		900.00		
Jacob K. Skinner	do	Mar. 10, 1898			840		770.80		
D. H. McArthur	do	Dec. 15, 1896	June 14, 1899		840		835.51		
Leroy Scribner	do	Nov. 1, 1895			900		812.84		
Norman R. Adams	Stock examiner	Jan. 1, 1894			900		900.00		
W. J. Bennett	do	do			900		900.00		
George Best	do	do			900		900.00		
Clark C. Bone	do	June 1, 1898			900		897.50		
Edw. Brundige	do	Jan. 16, 1894			900		112.48		
L. D. Burdick	do	Jan. 8, 1894			900		900.00		

Thos. G. Clark	do	Jan. 1, 1894	900	900.00
F. C. Cooley	do	Nov. 1, 1895	900	820.87
Jas. J. Duffley	do	Jan. 1, 1894	900	900.00
David S. Farley	do	Apr. 6, 1899	900	207.67
David Frisch	do	Jan. 1, 1894	900	890.15
Jas. Gardner	do	June 27, 1895	900	882.87
Henry Grady	do	do	900	882.68
George Grafton	do	Nov. 20, 1898	900	349.71
Dighton Grainger	do	June 1, 1898	900	77.50
James Hale	do	Jan. 1, 1894	900	522.50
Thos. F. Hanley	do	Mar. 31, 1899	900	892.68
Geo. T. Hanton	do	June 24, 1895	900	890.10
Wm. Harpst	do	June 27, 1895	900	900.00
Wm. F. Hickey	do	do	900	900.00
Wm. C. Honan	do	Feb. 15, 1894	900	900.00
Dennis Hurley	do	May 1, 1897	900	36.68
Jos. F. Jordan	do	Aug. 1, 1895	900	807.05
R. Kochanowski	do	Jan. 1, 1894	900	900.00
Otto D. Koetz	do	do	900	527.50
Geo. Lanhau	do	June 27, 1895	900	900.00
Richd. E. Lyman	do	Jan. 1, 1894	900	900.00
Abram M. Manny	do	Apr. 23, 1894	900	337.48
Jos. A. Murphy	do	July 27, 1897	900	877.97
John Murphy	do	Jan. 1, 1894	900	900.00
Terence O'Brien	do	Feb. 15, 1894	900	895.12
Thos. O'Shaughnessy	do	do	900	897.50
W. S. Pidecock	do	do	900	897.57
G. W. Pierce	do	Aug. 1, 1895	900	900.00
Wm. Proudfoot	do	Jan. 8, 1894	900	545.42
Chas. W. Kowse	do	Feb. 1, 1896	900	900.00
John J. Ryan	do	Nov. 11, 1895	900	900.00
Jno. W. Sarsfield	do	Dec. 1, 1893	900	897.50
Frank Schroeder	do	Jan. 1, 1894	900	900.00
Fredk. L. Simpson	do	June 27, 1895	900	900.00
John B. Sine	do	do	900	868.18
Saml. T. Smith	do	Dec. 1, 1893	900	522.62
Arthur Stuart	do	May 1, 1896	900	515.24
Charles O. Turner	do	Feb. 1, 1896	900	900.00
Wm. Unbach	do	Feb. 7, 1891	900	838.02
Thomas J. Wade	do	Nov. 1, 1895	900	838.66
Jno. Wallwork	do	July 1, 1896	900	900.00
Fred. D. Waterman	do	May 1, 1895	900	900.00
H. B. Weller	do	Jan. 15, 1896	900	635.72
H. D. Williams	do	Feb. 1, 1896	900	882.90
George W. Wood	do	Feb. 27, 1895	900	895.08
Theo. B. Zuendel	do	do	900	895.08
Horace G. Arnold	do	Nov. 1, 1895	900	885.03
Wm. H. Baker	do	Dec. 1, 1898	900	900.00
Edw. W. Barthold	do	May 1, 1896	720	364.60
W. A. Bitner	do	Nov. 11, 1898	720	197.61
Chas. H. Bridges	do	Feb. 15, 1898	720	451.73
Robt. A. Broadhurst	do	May 4, 1899	720	592.17
	do	Jan. 1, 1896	720	114.68
	do		720	151.95

Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
MEAT INSPECTION—continued.								
Chicago, Ill.—Continued.								
Jno. W. Burton.....	Tagger	Jan. 2, 1899					\$122.00	
Wm. D. Clark.....	do	Oct. 14, 1897					710.14	
Wm. Cleveland.....	do	Jan. 1, 1892					524.21	
Harry H. Colford.....	do	Nov. 18, 1895					710.20	
Wm. C. Evans.....	do	Dec. 1, 1898					122.60	
Jno. Fitzgerald.....	do	June 27, 1895					720	
Jas. A. Flanagan.....	do	May 23, 1895					720	
James Foley.....	do	July 17, 1893					720	
Walter M. Foster.....	do	Dec. 1, 1898					720	
Wm. Fox.....	do	Feb. 1, 1894					324.71	
M. J. Freidline.....	do	June 8, 1896					716.14	
Thos. R. Fugit.....	do	Feb. 1, 1896					716.06	
Do.....	Stock examiner	May 1, 1899					738.20	
Jno. J. Garity.....	Tagger	Sept. 1, 1893					664.00	
Paul. H. Griffin.....	do	Feb. 15, 1894					716.10	
Albert E. Harris.....	do	May 1, 1896					422.00	
Jas. Hornum.....	do	June 27, 1895					422.00	
Alfred Hostetler.....	do	Oct. 1, 1898					236.18	
De Lannes Howard.....	do	Sept. 15, 1893					362.70	
Julius Kidder.....	do	Oct. 9, 1897					867.12	
Do.....	do	Sept. 1, 1898					720.00	
Robt. G. Knipple.....	Stock examiner	June 8, 1896					720	
George E. Jaquis.....	do	May 4, 1899					114.68	
Edw. C. Lauck.....	do	Oct. 12, 1898					220.53	
J. C. Lorenzen.....	do	June 27, 1895					422.00	
Dani. Lynch.....	do	Aug. 15, 1893					686.72	
J. C. Masse.....	do	Oct. 20, 1896					664.00	
Arthd. L. Pauce.....	do	Oct. 16, 1898					201.02	
M. L. McMahon.....	do	June 27, 1895	Nov. 30, 1898				283.58	
Michl. Metzger.....	do	Sept. 15, 1893					720.00	
Jas. H. O'Brien.....	do	Jan. 2, 1899					338.00	
Chas. W. Philpot.....	do	Oct. 18, 1897					707.18	
Do.....	Stock examiner	Sept. 1, 1898					900	
J. C. Porterfield.....	Tagger	May 16, 1894					701.37	
James M. Rainey.....	do	June 27, 1895					696.47	
Ernest E. Rue.....	do	June 8, 1896					396.62	
Wm. Ryan.....	do	June 17, 1893					694.45	



Theo. Sauer.....	do	Aug. 15, 1891	720	608.90	.....
Casper J. Schmitt.....	do	May 1, 1896	720	714.18	.....
John C. Schook.....	do	Nov. 1, 1898	720	27.39	.....
Harvey L. Shale.....	do	Dec. 1, 1898	720	120.70	.....
James Sheehan.....	do	.....do	720	353.59	.....
I. Shortridge.....	do	Dec. 2, 1895	720	720.00	.....
Jas. R. Simpson.....	do	Oct. 10, 1898	720	214.56	.....
Leslie V. Stafford.....	do	Oct. 1, 1898	720	339.15	.....
Melvin B. Summers.....	do	.....do	720	484.00	.....
J. E. Troughton.....	do	Dec. 1, 1892	720	682.57	.....
Frank N. Trudelle.....	do	Aug. 16, 1894	720	256.31	.....
F. R. Washburn.....	do	Oct. 6, 1898	720	530.27	.....
Thomas A. White.....	do	June 24, 1895	720	664.00	.....
J. C. Whitney.....	do	Oct. 1, 1898	720	58.70	.....
C. O. Goodpasture.....	do	.....	.....	Traveling expenses	\$54.05
Gahan & Byrne.....	do	.....	.....	Rent.....	\$900.00
Chicago Telephone Co.....	do	.....	.....	Telephone.....	350.00
Hiram W. Hawley.....	do	.....	.....	Hire, horse and buggy	276.00
O. J. Lanigan.....	do	.....	.....	Hire, saddle horse	180.00
O. E. Dyson.....	do	.....	.....	.....do	180.00
Union Stock Yard and Trans- sit Co.....	do	.....	.....	Rent.....	50.00
James Stewart.....	do	.....	.....	Casters, and repairing	6.24
Rand, McNally & Co.....	do	.....	.....	Stationery.....	10.55
A. P. Little.....	do	.....	.....	Mimeograph and paper	2.50
C. O. Bassett.....	do	.....	.....	Repairing typewriter	8.50
The Merle & Henney Mann- ufacturing Co.....	do	.....	.....	Oak table.....	4.50
<i>Kansas City, Kans. and Mo.</i>					
Samuel E. Bennett.....	Inspector.....	Apr. 1, 1898	1,600	1,511.13	.....
S. L. Brooking.....	do	Nov. 15, 1893	1,400	350.00	.....
C. H. Davies.....	do	Sept. 18, 1891	1,400	1,396.23	.....
Harry B. Adair.....	Assistant inspector	Oct. 1, 1896	1,200	1,183.27	.....
Richd. J. Blanche.....	do	Feb. 23, 1898	1,200	870.64	.....
Jno. S. Buckley.....	do	Mar. 1, 1898	1,200	1,200.00	.....
Chas. H. Canfield.....	do	Apr. 1, 1898	1,200	1,144.02	.....
Thos. W. Carnahan.....	do	Feb. 10, 1898	1,200	1,190.20	.....
Herbert B. Chaney.....	do	Apr. 1, 1898	1,200	1,193.47	.....
W. Ross Cooper.....	do	Jan. 25, 1897	1,200	1,180.31	.....
H. H. George.....	do	Feb. 23, 1898	1,200	1,200.00	.....
John S. Grove.....	do	Apr. 10, 1899	1,200	270.33	.....
Benj. F. Kaupp.....	do	Feb. 10, 1896	1,200	1,200.00	.....
Peter I. Kershner.....	do	Feb. 3, 1897	1,200	1,200.00	.....
Albert Long.....	do	Dec. 1, 1898	1,200	701.10	.....
F. C. McCurdy.....	do	Apr. 1, 1898	1,200	1,156.99	.....
Monroe B. Miller.....	do	Feb. 1, 1899	1,200	486.81	.....
Jno. Cooper Milnes.....	do	Oct. 1, 1896	1,200	1,290.24	.....
Do.....	Inspector	Jan. 1, 1899	1,200	.....	.....
Jas. L. Otterman.....	Assistant inspector	Aug. 18, 1898	1,200	237.36	.....
Don W. Patton.....	do	Oct. 1, 1896	1,200	1,160.47	.....

Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.

## SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
MEAT INSPECTION—continued.								
Kansas City, Kans. and Mo.—Continued.								
Charles H. Zink	Assistant inspector	June 1, 1896			\$1,200		\$110.87	
Charles Adams	Stock examiner	May 1, 1896			900		24.46	\$20.50
E. W. Bell	do	do			900		897.50	
G. E. Blackmar	do	Feb. 1, 1898			900		900.00	
H. J. Blackwell	do	Jan. 1, 1894			900		828.49	
Chas. A. Brown	do	June 1, 1895			900		374.20	
Wm. Burgess	do	May 1, 1896			900		867.50	
Frank Canon	do	Apr. 1, 1894			900		261.71	
Geo. T. Cathel	do	Feb. 12, 1894			900		890.09	
J. D. Cooper	do	Nov. 15, 1894			900		823.24	
Josiah D. Flora	do	May 16, 1895			900		900.00	
Geo. A. Franklin	do	June 17, 1895			900		890.25	
Harry D. Freeman	do	Oct. 1, 1895			900		895.12	
Wm. Gano	do	Feb. 1, 1894	Dec. 17, 1898		900		363.28	
Washington Gobble	do	Feb. 15, 1894			900		900.00	
R. E. L. Jackson	do	Nov. 19, 1894			900		900.00	
Jno. L. Lobb	do	May 1, 1894			900		890.15	
J. A. Duggett	do	Sept. 1, 1895			900		552.74	
M. J. Madden	do	May 1, 1896	Mar. 11, 1899		900		895.07	
Harry L. McDonald	do	May 1, 1894			900		895.14	
Porter J. Morgan	do	May 7, 1894			900		900.00	
J. H. Richardson	do	May 3, 1894			900		824.20	
Morey Supplington	do	Aug. 1, 1898			900		900.00	
Sam'l. W. Smith	do	May 1, 1896			900		868.22	
A. E. Wagner	do	May 1, 1894			900		450.00	
John Conlon	Clerk	Sept. 1, 1893	Dec. 31, 1898		900		527.50	
C. H. Morse	do	Oct. 1, 1894			900		900.00	
I. N. Vance	do	Feb. 1, 1896			900		630.00	
Blinn G. Herriek	do	Mar. 25, 1898			840		413.03	
Claude F. Morris	do	Dec. 5, 1898			840		746.41	
Geo. D. Young	do	Mar. 15, 1898			840			
Oliver W. Byrd	Tagger	July 15, 1896			720		884.80	
do	do	Aug. 1, 1898			900			
Larkin S. Campbell	Stock examiner	Nov. 17, 1898			720		338.28	
Bern'd. Cantrigham	Tagger	Dec. 15, 1893			720		180.00	
James De Goler	do	Apr. 1, 1894			720		714.18	

Albert Fowkes, sr.	do	Aug. 15, 1897	720	715.10	
Wm. B. Garlick	do	Aug. 1, 1897	720	720.00	
John E. Hart	do	Oct. 15, 1897	720	610.49	2.25
A. J. Henley	do	May 1, 1895	720	638.81	
David Hunt	do	Dec. 1, 1893	720	299.40	
August Jost	do	Aug. 18, 1897	720	713.98	
H. H. Knox	do	Nov. 1, 1897	720	702.37	
E. E. Laird	do	Sept. 15, 1897	720	297.34	
Wm. J. Maddock	do	May 1, 1896	720	156.42	
Saml. F. March	do	Mar. 25, 1898	720	60.60	
Thos. A. McLeland	do	Aug. 1, 1897	720	718.10	
Dani. S. Platt	do	Jan. 22, 1894	720	714.08	
Henry Morley	do	Aug. 1, 1897	720	720.00	
Cecil K. Schafer	do	Apr. 11, 1898	720	631.87	10.15
J. W. Shannon	do	Feb. 1, 1894	720	720.00	
Jas. R. Stafford	do	Feb. 7, 1898	720	678.98	
O. A. Stingley	do	Jan. 16, 1899	720	120.70	
Jas. M. Steel	do	Aug. 1, 1897	720	720.00	
Nelson F. Weaver	do	Jan. 3, 1898	720	718.00	
Saml. E. Bennett					Hire, saddle horse.
Silver Laundry and Towel Co.					Towel laundry.
Armour Packing Co.					Telephone rental.
Cutler Neilson Paint and Color Co.					Thinner, paste, and paints.
Lawton & Burnop.					12 dozen bottles ink.
Chic., St. P., M. & O. Rwy. Co.					Transportation, C. K. Schafer.
Bur. & Mo. R. R. in Nebr.					Transportation, J. E. Hart.
					14.00
					5.75
					5.40
					\$257.44
					23.26
					36.00
					18.00
<i>South Omaha, Nebr.</i>					
Don C. Ayer.	Inspector	Nov. 1, 1896	1,600	1,600.00	
A. T. Everett	do	Nov. 6, 1893	1,200	1,196.73	4.76
H. M. Batchelder	Assistant Inspector	Jan. 2, 1899	1,200	596.70	
Levi P. Beechly	do	July 15, 1898	1,200	1,154.33	
Saml. E. Costord	do	Dec. 10, 1895	1,200	551.07	
Dean G. Cooper	do	Mar. 4, 1898	1,200	1,200.00	
J. Otis Jacobs.	do	July 1, 1898	1,200	1,196.70	
Chas. W. Johnson.	do	Aug. 18, 1898	1,200	1,040.15	
Charles Keane.	do	Dec. 1, 1897	1,200	110.87	15.30
Jos. S. Keane	do	July 20, 1898	1,200	19.57	
Robt. A. Ramsay	do	Feb. 18, 1899	1,200	449.97	
Hugh M. Rowe	do	Dec. 15, 1898	1,200	635.87	
W. A. Savage	do	Apr. 1, 1898	1,200	1,200.00	
Charles Conoyer	Clerk	Jan. 16, 1897	1,000	988.98	
Phelps Payne	do	June 1, 1897	900	837.69	
Jay E. Williams	do	Mar. 10, 1898	840	837.68	
J. W. Davis	Stock examiner	Jan. 1, 1894	900	897.32	
W. K. Jacobs.	do	June 27, 1895	900	853.46	
Frank Jelen.	do	Apr. 1, 1895	900	900.00	
Thos. J. Lowrey	do	Mar. 25, 1895	900	900.00	
Jay Merrill	do	Jan. 1, 1894	900	890.23	
Frank G. Patrick	do	do	900	900.00	



*Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
MEAT INSPECTION—continued.								
South Omaha, Nebr.—Cont'd.								
Jacob I. Payne.....	Stock examiner	Jan. 1, 1894	.....	.....			\$880.45	.....
T. J. Alexander.....	Tagger	Aug. 1, 1897	.....	.....		\$900	720	720.00
Jos. G. Beattie.....	do	Dec. 1, 1898	.....	.....		720	720	122.60
John T. Blair.....	do	May 1, 1898	.....	.....		720	720	422.00
Edw. A. Bundy.....	do	July 18, 1898	.....	.....		720	720	682.88
Jacob Burkard.....	do	May 16, 1893	.....	.....		720	720	706.36
Chas. E. Campbell.....	do	Dec. 1, 1898	.....	.....		720	720	362.70
Dec N. Chase.....	do	June 27, 1895	.....	.....		720	720	878.30
do.....	do	July 15, 1898	.....	.....		900		715.98
Jas. Condon.....	do	Aug. 4, 1897	.....	.....		720	720	720.00
W. W. Crandall.....	do	June 1, 1897	.....	.....		720	720	512.95
Alvin M. Feese.....	do	July 18, 1898	.....	.....		720	720	704.00
Reuben Forbes.....	do	Aug. 1, 1897	.....	.....		720	720	720.00
Elias Gilmore.....	do	Feb. 10, 1898	.....	.....		720	720	243.30
Morris T. Hascall.....	do	Dec. 1, 1898	.....	.....		720	720	418.54
Orlando W. Helvey.....	do	do	.....	.....		720	720	626.88
Ira F. Knece.....	do	July 18, 1898	.....	.....		720	720	710.13
Anton Kostal.....	do	May 16, 1893	.....	.....		720	720	673.15
James Kunes.....	do	do	.....	.....		720	720	716.08
Thos. Luddy.....	do	Feb. 15, 1895	.....	.....		720	720	714.04
R. M. Mahana.....	do	June 1, 1893	.....	.....		720	720	720.00
John McCann.....	do	June 27, 1895	.....	.....		720	720	720.00
C. H. McCormick.....	do	June 6, 1898	.....	.....		720	720	322.88
Russell G. Merrill.....	do	June 10, 1898	.....	.....		720	720	422.00
John B. Payton.....	do	July 16, 1897	.....	.....		720	720	422.00
Chris. M. Raff.....	do	Mar. 9, 1898	.....	.....		720	720	122.60
Isaiah Richards.....	do	Dec. 1, 1898	.....	.....		720	720	242.00
Saml. A. Risley.....	do	Oct. 1, 1898	.....	.....		720	720	888.28
Stephen Roberts.....	do	Aug. 16, 1897	.....	.....		900	720	720.00
do.....	do	July 25, 1898	.....	.....		720	720	720.00
Jas. T. Robertson.....	Stock examiner	Nov. 1, 1897	.....	.....		720	720	410.21
Wm. H. Saunders.....	Tagger	Apr. 11, 1898	.....	.....		720	720	655.56
L. Schilsby.....	do	Nov. 6, 1893	.....	.....		720	720	410.88
Geo. H. Schroeder.....	do	Aug. 1, 1898	.....	.....		720	720	354.00
Chas. S. Scranton.....	do	July 18, 1898	.....	.....		720	720	720.00
Floyd W. Schatzell.....	do	Jan. 2, 1899	.....	.....		720	720	720.00
Harry A. Schatzell.....	do	Aug. 4, 1897	.....	.....		720	720	720.00

Alfred J. Smith	do	Apr. 15, 1898	720	608.58	\$2.25	.....
Philip Smith	do	May 22, 1893	720	712.08	.....	.....
Sam'l. I. Valentine	do	Oct. 16, 1894	720	716.00	.....	.....
Henry C. Williams	do	Apr. 1, 1898	720	720.00	.....	.....
Arthur E. Miller	do	May 10, 1899	720	102.82	.....	.....
Geo. S. Hickox	do	Nov. 9, 1897	720	711.40	.....	.....
Do	do	Aug. 1, 1898	720	368.00	.....	.....
J. O. Eastman	do	July 1, 1897	720	.....	.....	.....
Frontier Steam Laundry	do	.....	720	.....	.....	.....
Omaha Steam Laundry	do	.....	720	.....	.....	.....
Nebraska Telephone Co	do	.....	720	.....	.....	.....
Packers' National Bank	do	.....	720	.....	.....	.....
Louis Berger	do	.....	720	.....	.....	.....
Adams' Express Co.	do	.....	720	.....	.....	.....
N. E. Carter	do	.....	720	.....	.....	.....
J. S. Stotts	do	.....	720	.....	.....	.....
E. J. Seykora & Co.	do	.....	720	.....	.....	.....
<i>Hammond, Ind.</i>						
Lewis R. Baker	Inspector	Sept. 1, 1893	1,400	1,400.00	.....	3.94
Henry J. Hancock	Assistant inspector	Apr. 8, 1898	1,200	1,200.00	.....	.....
P. J. Golden	Stock examiner	Apr. 1, 1896	900	870.20	.....	.....
J. J. Molloy	do	June 27, 1895	900	900.00	.....	.....
John J. Young	do	Dec. 1, 1893	900	900.00	.....	.....
Jas. L. Gerrish	Trapper	Apr. 11, 1898	720	720.00	.....	.....
Thomas Hansen	do	Apr. 16, 1893	720	720.00	.....	.....
F. P. Heron	do	June 27, 1895	720	720.00	.....	.....
Jacob Leismann	do	May 16, 1893	720	720.00	.....	.....
John Summers	do	.....do	720	720.00	.....	.....
W. H. Timmons	do	.....do	720	720.00	.....	.....
Henry Wagner	do	June 22, 1891	720	720.00	.....	.....
Walter Walsh	do	May 16, 1893	720	720.00	.....	.....
<i>Indianapolis, Ind.</i>						
T. L. Armstrong	Inspector	May 1, 1897	1,400	1,331.04	.....	.....
Thos. J. Turner	do	Jan. 1, 1897	1,400	1,400.00	.....	15.51
Jas. Beatty	Assistant inspector	Feb. 23, 1899	1,200	1,350.07	.....	.....
Tait Butler	do	June 20, 1899	1,200	36.26	.....	.....
Robert Darling	do	Dec. 13, 1897	1,200	696.70	.....	.....
Fredk. T. Dolan	do	Apr. 1, 1898	1,200	1,200.00	.....	.....
Sam'l. G. Hendren	do	Mar. 4, 1898	1,200	681.41	.....	.....
Chas. Keane	do	Dec. 1, 1897	1,200	323.33	.....	.....
Jos. S. Keane	do	July 20, 1898	1,200	1,118.47	9.70	.....
W. B. Lincoln	do	Apr. 11, 1898	1,200	982.96	.....	.....
Richard W. Tuck	do	Apr. 18, 1898	1,200	1,081.41	.....	.....
Jacob Fox	Stock examiner	Jan. 1, 1894	900	895.10	.....	.....
Geo. W. Koontz	do	Feb. 19, 1894	900	870.00	.....	.....
Jas. W. Wampler	do	Jan. 1, 1894	900	900.00	.....	.....
C. O. Goodpasture	Clerk	Mar. 21, 1898	1,000	250.00	.....	.....

Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
MEAT INSPECTION—continued.									
Indianapolis, Ind.—Cont'd.									
Geo. S. Jones.	Clerk.	Mar. 10, 1898			\$840		\$840.00		
Jno. H. Carroll.	do.	May 4, 1899			840		129.20		
Thos. D. Scott.	do.	Mar. 23, 1899	Apr. 30, 1899		840		87.92		
Martin P. Grady.	do.	June 12, 1894			720		810.00		
do.	do.	Oct. 1, 1898			840				
Chas Bartholomew	Tagger	Nov. 11, 1895			720				
do.	Stock examiner	Sept. 1, 1898			900		845.81		
Matthew Quinn	Tagger	Apr. 16, 1893			720		406.00		
Leslie V. Stafford	do.	Oct. 1, 1898			720		106.77		
Wm. A. Skinner	do.	Nov. 18, 1895			720		19.57		
Syl. S. Sowers	do.	Nov. 21, 1898			720		418.27		
Chas. Stark.	do.	May 2, 1898	July 16, 1898		720		7.83		
Louis S. Dreyer	Laborer	Oct. 10, 1898		\$2.00			222.00		
Jos. Foppiano	do.	Jan. 21, 1899		2.00			200.00		
Barwell Goff.	do.	July 13, 1898	Apr. 30, 1899	2.00			342.00		
David A. Moores	do.	Sept. 28, 1898	Oct. 8, 1898	2.00			18.00		
Thos. C. Wampler.	do.	July 13, 1898	Sept. 30, 1898	2.00			130.00		
Belt R. R. Stock Yard Co.						Rent and heating of office.			\$121.75
Frank D. Stahmaker						Water cooler and stand			5.00
Central Union Telephone Co.						Telephone.			72.00
Baker & Thornton.						Letter copying press.			9.00
Union Pacific R. R. Co.						Transportation, J. R. Keane.		\$12.84	
Milwaukee, Wis.									
A. E. Behnke	Inspector.	Apr. 1, 1898			1,400		1,400.00		13.20
Geo. W. Butler.	Assistant inspector.	June 27, 1899			1,200		13.19		
Herbert Caldwell.	do.	Feb. 23, 1899			1,200		423.30		
H. A. Christman	do.	Feb. 1, 1898			1,200		1,186.98		
R. H. Harrison.	do.	Feb. 7, 1898			1,200		1,193.50		
Frank Ketchum.	do.	Oct. 1, 1896			1,200		630.00		
Harry G. Moore.	do.	Jan. 1, 1896			1,200		498.90		
Arthur M. Rork.	do.	Feb. 1, 1898			1,200		627.11		
Orin W. Snyder.	do.	Oct. 1, 1896			1,200		1,170.33		
Rich'd W. Hewett	do.	Feb. 8, 1899			1,200		473.30		
Arthur R. Wake	do.	Nov. 18, 1895			1,200		19.57		
C. H. Morse	Clerk.	Oct. 1, 1894			900		372.50	20.15	



Geo. J. Reinsch	.....do	May 15, 1895	900	575.00	
Henry Baumel	Stock examiner	Jan. 1, 1894	900	900.00	
Jas. W. Carney	.....do	Sept. 15, 1894	900	374.20	
J. J. Eichstaedt	.....do	June 5, 1894	900	900.00	
Chris. Killer	.....do	Mar. 1, 1895	900	900.00	
Thos. C. Murphy	.....do	June 5, 1894	900	900.00	
Chester J. Curtis	Tagger	.....do	720	416.18	
Chas. Elmet	.....do	Sept. 15, 1894	720	299.40	
Frank Mackut	.....do	May 1, 1896	720	299.40	
E. V. Putnam	.....do	.....do	720	478.00	
Jno. P. Somers	.....do	Nov. 1, 1894	720	810.00	
Do	Stock examiner	Jan. 1, 1899	900		
Jos. M. Sommer	Tagger	Oct. 1, 1896	720	299.40	
A. E. Behnke	.....do			420.00	
<i>Ottumwa, Iowa.</i>					
Joshua Miller	Assistant inspector	Dec. 10, 1895	1,200	1,290.24	7.60
Do	Inspector	Jan. 1, 1899	1,400		
Abraham Mader	Stock examiner	Jan. 1, 1894	900	900.00	
Llewellyn C. Akin	Tagger	Feb. 1, 1898	720	704.45	
Geo. S. Bliss	.....do	May 18, 1898	720	422.00	13.85
W. F. McCarroll & Son	.....do				
<i>National Stock Yards, Ill.</i>					
J. J. Brougham	Inspector	July 1, 1896	1,600	1,600.00	14.09
Boyd Baldwin	Assistant inspector	June 21, 1897	1,200	101.10	
Louis P. Cook	.....do	May 1, 1896	1,200	1,196.77	
M. T. Naughton	.....do	Aug. 5, 1898	1,200	752.47	
E. T. Davidson	.....do	Sept. 7, 1896	1,200	1,196.77	8.20
Frank C. Eells	.....do	Mar. 1, 1898	1,200	652.99	
F. W. Hopkins	.....do	Feb. 15, 1896	1,200	1,186.88	
Robt. J. Kelly	.....do	Sept. 7, 1897	1,200	1,180.46	
Jno. P. Turner	.....do	June 7, 1898	1,200	65.22	
A. H. Wallace	.....do	Feb. 23, 1899	1,200	326.67	
Arthur H. Bibb	Stock examiner	May 1, 1896	900	875.50	
A. R. Bruton	.....do	Feb. 15, 1895	900	900.00	
Frank Canon	.....do	Apr. 1, 1894	900	235.77	14.75
Wm. T. Flynn	.....do	Jan. 1, 1894	900	877.97	
David R. Hodges	.....do	Sept. 1, 1896	900	897.57	
Frank O'Neill	Tagger	May 1, 1896	720		
Do	Stock examiner	July 18, 1898	900	874.39	
Jno. F. Schierman	.....do	Apr. 1, 1897	900	112.48	
Geo. Sutherland	.....do	Nov. 12, 1894	900	885.00	
Geo. H. Woolfolk	.....do	Mar. 2, 1896	900	24.46	
Wm. S. Grayford	Clerk	Apr. 10, 1895	900	890.09	
Clement Bevelot	Tagger	Dec. 1, 1893	720	720.00	
Jos. G. Carr	.....do	Feb. 15, 1895	720	708.17	
Jas. W. Chowning	.....do	Dec. 1, 1898	720	389.36	
Wm. J. Doyle	.....do	Feb. 15, 1895	720	328.75	
Robt. Gray	.....do	June 24, 1895	720	720.00	

Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—continued.									
National Stock Yards, Ill.—Continued.									
Geo. F. Harley	Tagger	June 18, 1898			\$720		\$320.92		
Geo. Markert	do	Jan. 2, 1894			720		33.26		
Chas. O. McDonald	do	Dec. 1, 1898			720		389.35		
Edw. O. Speake	do	Apr. 1, 1898			720		678.00		
Edw. M. Smith	do	July 18, 1898			720		647.61		
Jos. Sullivan	do	Feb. 15, 1895			720		89.95		
St. Louis National Stock Yards.						Rent.		\$300.00	
New York, N. Y.									
R. W. Hickman	Inspector	Sept. 1, 1893			2,000		2,000.00	9.17	
Jas. H. Ferster	do	Apr. 15, 1891			1,400		1,396.23		
E. A. Parsons	do	Feb. 15, 1894			1,200		1,200.00		
Louis Abel	Assistant inspector	Oct. 1, 1896			1,200		1,200.00		
Jno. B. Hopper	do	Mar. 15, 1898			1,200		1,200.00		
Jno. V. Laddey	do	Mar. 1, 1898			1,200		701.10		
Wilbur J. Murphy	do	Dec. 2, 1895			1,200		1,200.00		
Wm. J. Reagan	do	Jan. 1, 1896	Mar. 31, 1899		1,200		97.83		
W. A. Willard	Clerk	Sept. 1, 1893			1,200		1,200.00		
Eph. Dietrich	do	May 1, 1896			900		954.64		
Do	do	Dec. 15, 1898			1,000		900.00		
Hiram Jerome	Stock examiner	Oct. 12, 1897			900		900.00		
Theo. Kanter	do	Nov. 11, 1895			900		900.00		
Henry Schauer	do	Dec. 9, 1895			900		647.50		
Geo. A. Sheldon	do	Feb. 1, 1896	Mar. 20, 1899		900		720.00		
J. F. Butterfass	Tagger	Mar. 2, 1896			720		720.00		
Wallace M. Gill	do	June 29, 1896			720		720.00		
Edgar Gill	do	Mar. 20, 1899			720		198.00		
Frank J. Gilmore	do	Feb. 1, 1896			720		716.00		
Fred. J. Goebel	do	Sept. 7, 1891			720		720.00		
Jno. J. Haggerty	do	Mar. 2, 1896			720		720.00		
Wm. N. Hutchinson	do	Nov. 24, 1896	Feb. 28, 1899		720		478.00		
G. M. Lachman	do	June 1, 1898			720		720.00		
Jno. F. Luepke	do	Mar. 23, 1895			720		720.00		
Wm. H. Molineux	do	Jan. 8, 1896	June 10, 1899		720		617.10		
Henry Schopp	do	Sept. 15, 1893			720		720.00		

Stephen A. Selby	do	Dec.	2, 1895			720	714.03		
Ernest F. Slater, Jr.	do	Dec.	7, 1896			720	176.08		
H. F. R. Workheiser	do	June	26, 1899			720	9.89		
B. H. Adams							Rent.	480.00	
New York Telephone Co.							Telephone.	90.90	
Thomas J. Alden & Co							Ice	4.00	
<i>South St. Joseph, Mo.</i>									
John Forbes.	Inspector.	Sept.	16, 1894			1,400	1,557.54	26.80	
Do.	do	Sept.	1, 1898			1,400			
J. E. Blackwell.	do	Aug.	1, 1893			1,400	1,384.75		
H. M. Burgess.	Assistant Inspector	Apr.	8, 1898			1,200	596.77		
Jos. M. Good.	do	Feb.	23, 1899			1,200	403.30		
Wm. W. Johnston.	do	May	23, 1898			1,200	706.70		
Jas. S. Kelly	do	Apr.	1, 1897		May 31, 1899	1,200	1,157.70		
Jas. L. Otterman.	do	Aug.	18, 1898			1,200	359.24		
Thos. H. Ripley.	do	July	20, 1898			1,200	1,085.37		
Jos. Thackaberry	do	Apr.	20, 1899			1,200	237.36		
Jno. A. Sloan	do	June	20, 1899			1,200	36.26		
H. J. Washburn.	do	May	23, 1898			1,200	1,196.70		
Jas. Wilson	do	Dec.	1, 1894			1,200	1,146.73		
Jno. B. Wright.	do	Apr.	18, 1898			1,200	890.16		
Frank A. Ewing	Stock examiner	May	1, 1894			900	205.42		
Wm. E. Mowrer.	Clerk	Apr.	15, 1898		Apr. 2, 1899	840	623.25		
J. O. W. Alexander	do	Apr.	1, 1893			840	205.42		
Clayton E. Moss	do	May	1, 1896			720			
Do.	Tagger	Sept.	1, 1898			900	849.60		
Jas. P. Ray	Stock examiner	Nov.	12, 1894			720			
Do.	do	Sept.	1, 1898			900	452.05		
Jas. F. Atherton	Stock examiner	Sept.	1, 1898			900			
Jno. S. Biggs	do	Mar.	25, 1898			720	270.60		
W. D. Benton	do	Apr.	15, 1898			720	708.05		
T. B. Cracraft.	do	do	do			720	682.00		
Alvin M. Fesse	do	July	18, 1898			720	684.47		
P. P. Druckenmiller	do	do	do			720	116.66		
M. A. Farley, Jr.	do	Nov.	18, 1898			720	670.79		
Moses W. Gaines.	do	Apr.	15, 1898			720	432.31		
W. J. Hardenstine	do	May	1, 1896			720	711.94		
Emory K. Hess	do	Dec.	10, 1895			720	586.96		
Fredk. O. Pettey	do	Jan.	16, 1899			720	718.00		
Thos. Redmond	do	Apr.	25, 1898			720	298.00		
Henry Singleton.	do	May	23, 1898			720	720.00		
Wm. Yenier.	do	May	20, 1898			720	662.00		
John Forbes.	do						717.94		
St. Joseph Stock Yards Co.							Hire, horse and buggy.	180.00	
State National Bank							Rent.	105.00	
Missouri and Kansas Telephone Co.							do.	90.00	
Butler Merchandise Co.							Telephone.	48.00	
Combe Printing Co.							Flues, oil, and soap.	3.80	
Electric Toilet Supply Co.							Copying bath.	3.50	
							Towel supply.	3.00	





W. S. Cass.....	Inspector.....	Dec. 26, 1893			1, 200	1, 351.11			
Do.....	do.....	Sept. 1, 1898			1, 400				
Chester Miller.....	Assistant inspector.....	June 22, 1898			1, 200	1, 193.47			
M. J. Myers.....	do.....	Apr. 1, 1898			1, 200	1, 200.00			
A. W. Swadberg.....	do.....	Dec. 10, 1895			1, 200	1, 200.00			
G. H. Boughner.....	Live stock agent.....	Nov. 16, 1896			900	897.57			
A. G. Bibb.....	Stock examiner.....	Mar. 1, 1896			900	882.82			
Sam'l. Frazer.....	do.....	Feb. 20, 1895			900	887.76			
Geo. Markert.....	do.....	July 18, 1898			900	853.44			
James Ford.....	Tagger.....	Sept. 28, 1896			720	720.00			
Jno. I. Games.....	do.....	June 18, 1898			720	567.69			
Matt. O'Keefe.....	do.....	Mar. 2, 1896		Apr. 14, 1899	720	720.00			
E. N. La Rue.....	do.....	May 15, 1899			720	92.93			92.05
W. S. Cass.....	do.....					Expenses and street-car fares.			
<i>New Brighton, Minn.</i>									
Charles Keane.....	Assistant inspector.....	Dec. 1, 1897			1, 200	407.62			
Cecil K. Schafer.....	Tagger.....	Apr. 11, 1898			720	72.34			
C. W. von Dorn.....	do.....	do.....				68.43			
<i>Bloomington, Ill.</i>									
Fredk. Braginton.....	Inspector.....	May 16, 1893			1, 400	1, 400.00			27.10
Chas. Vandervoort.....	Tagger.....	do.....			720	720.00			
<i>Nashville, Tenn.</i>									
S. G. Burkholder.....	Assistant inspector.....	Jan. 1, 1897		Jan. 15, 1899	1, 200	151.10			
W. B. Lincoln.....	do.....	Apr. 11, 1898			1, 200	171.43		19.65	
Arthur M. Rork.....	do.....	Feb. 1, 1898			1, 200	381.94		16.35	
Frank Canon.....	Tagger.....	Feb. 19, 1894			720	171.96		22.80	
Brandon Printing Co.....						Desk and chairs			25.00
<i>Cudahy, Wis.</i>									
Arthur R. Wake.....	Assistant inspector.....	Nov. 18, 1895			1, 200	801.10		32.27	
Do.....	Inspector.....	Jan. 1, 1899			1, 400				
Harry G. Moore.....	Assistant inspector.....	Jan. 1, 1896			1, 200	607.70			
Jos. W. Carney.....	Stock examiner.....	Sept. 15, 1894			900	525.80			
Geo. J. Reinseh.....	Clerk.....	May 15, 1895			900	325.00			
Chas. Elmer.....	Tagger.....	Sept. 15, 1894			720	510.60			
Do.....	do.....	Jan. 1, 1899			900				
Stephen D. Gillett.....	Stock examiner.....	Jan. 2, 1899			720	62.00			
Frank Mackut.....	Tagger.....	May 1, 1896			720	420.60			
Jos. M. Sommer.....	do.....	Oct. 1, 1896			720	418.66			
<i>Linnton, Oreg.</i>									
Orlando B. Hess.....	Inspector.....	July 1, 1896		Nov. 30, 1898	1, 400	1, 301.12		16.00	
Chas. H. Adams.....	Tagger.....	Aug. 17, 1898			720	168.31			
Southern Pacific Co.....						Transportation, O. B. Hess		33.00	

St. Louis, Mo.

Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
MEAT INSPECTION—continued.								
<i>Portland, Me.</i>								
Huntington	Inspector.....	June 1, 1896	.....	.....	\$1,200	.....	\$401.10	.....
<i>New Haven, Conn.</i>								
E. L. Volgenan	.....	Dec. 2, 1895	.....	.....	1,200	.....	453.55	\$16.75
A. F. Martins	.....	Mar. 1, 1898	.....	.....	1,200	.....	26.37	21.35
<i>Detroit, Mich.</i>								
Louis K. Green	Assistant inspector	Oct. 1, 1896	.....	.....	1,200	.....	270.33	13.00
Harry C. Jacobs	Tagger	May 10, 1899	.....	.....	720	.....	102.82	.....
<i>Philadelphia, Pa.</i>								
Chas. A. Schaulfer	Inspector	Sept. 1, 1893	.....	.....	1,600	.....	1,595.63	\$70.10
Jas. Johnston	Assistant inspector	Nov. 18, 1895	.....	.....	1,200	.....	1,190.17	.....
Geo. B. Wright	Stock examiner	Jan. 1, 1897	.....	.....	900	.....	877.86	.....
Chas. J. Bigley	Clerk	Jan. 15, 1898	.....	.....	840	.....	835.40	.....
Jno. C. Callahan	Tagger	Oct. 1, 1895	.....	.....	720	.....	688.65	1.92
A. V. Pepperman	do	Jan. 23, 1896	.....	.....	720	.....	718.06	.....
Thos. Reid	do	June 1, 1893	.....	.....	720	.....	720.00	.....
Matt. Robinson	do	May 1, 1897	.....	.....	720	.....	712.21	.....
Wm. T. Tippet	do	Dec. 2, 1895	.....	.....	720	.....	696.46	.....
Howard W. Thomas	do	May 7, 1897	.....	Jan. 10, 1899	720	.....	376.04	.....
The Bell Telephone Co. of Philadelphia.	.....	.....	.....	.....	.....	Telephone rental.	.....	160.00
<i>Sioux City, Iowa.</i>								
Wm. Thompson	Inspector	Apr. 1, 1898	.....	.....	1,400	.....	1,365.43	.....
Geo. A. Johnson	Assistant inspector	Apr. 1, 1897	.....	.....	1,200	.....	1,193.50	33.50
Geo. W. Clark	Clerk	Mar. 1, 1898	.....	.....	900	.....	877.96	.....
Donald McDonald	Stock examiner	Feb. 1, 1896	.....	.....	900	.....	880.45	.....
Wm. B. Treadway	do	Jan. 1, 1894	.....	.....	900	.....	900.00	.....
Chas. J. Chamberlain	Tagger	Mar. 1, 1894	.....	.....	720	.....	810.00	.....
Do.	Stock examiner	Jan. 1, 1899	.....	.....	900	.....	720.00	.....
Thos. G. Cowgill	Tagger	May 9, 1898	.....	.....	720	.....	.....	.....



Myron H. Kling	do	Dec. 15, 1898			720	497.06	
Park. Finnan	do	Nov. 17, 1898			720	124.61	
D. A. Winnie	do	Apr. 17, 1893			720	810.00	
do	Stock examiner	Jan. 1, 1899			900	298.00	
Henry D. Osborne	Laborer	Mar. 21, 1898	2.00				24.00
Iowa Telephone Co.							5.00
Peavey & Nash Furnishing Co.							17.00
The Standard Woodworking Co.							2.00
Beach & Weld							
<i>Louisville, Ky.</i>							
Niels C. Sorensen	Inspector	Apr. 1, 1898			1,400	1,400.00	119.45
H. M. Burgess	Assistant inspector	Apr. 8, 1898			1,200	570.33	
Jas. L. Otterman	do	Aug. 18, 1898			1,200	417.35	
Arthur H. Bibb	Stock examiner	May 1, 1896			900	24.46	
do	do	Aug. 19, 1897			900		
Herbert M. Smith	Assistant inspector	Mar. 1, 1899			1,200	1,000.80	
Geo. H. Woolfolk	Stock examiner	Mar. 2, 1896			900	873.13	
Hogan Gaines	Tagger	Apr. 1, 1898			720	716.08	4.00
C. F. Bierbaum & Bro.							
<i>Marshalltown, Iowa.</i>							
Ira K. Atherton	Assistant inspector	Feb. 15, 1895			1,200		
do	Inspector	Sept. 1, 1898			1,400	1,366.40	2.30
Arthur R. Wake	Assistant inspector	Nov. 18, 1895			1,200	16.30	
Alfred J. Smith	Tagger	Apr. 15, 1898			720	76.25	
<i>Nebraska City, Neb.</i>							
W. H. Gibbs	Inspector	Sept. 1, 1893			1,200	1,200.00	1.00
Chas. A. Brown	Stock examiner	June 1, 1895			900	525.80	7.35
Geo. M. Thomas	do	Nov. 30, 1898			900	195.64	
F. A. Dammann	Tagger	July 10, 1895			720	537.99	
Alfred J. Smith	do	Apr. 15, 1898			720	35.22	
Nebraska City Furniture Co.							26.00
Chicago and Northwestern Rwy. Co.							
<i>Portland, Oreg.</i>							
E. N. Hutchinson	Assistant inspector	Aug. 15, 1896			1,200	1,200.00	11.55
Chas. H. Adams	Tagger	Aug. 17, 1898			720	27.39	
Howard D. Elvey	do	Feb. 15, 1896			720	720.00	
Wm. H. Gately	do	Mar. 1, 1898			720	267.99	
Wm. R. Sutter	do	June 5, 1899			720	51.43	
Geo. J. Coleman	Laborer	Dec. 1, 1898	2.00			364.00	

Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.

## SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
MEAT INSPECTION—continued.								
Jersey City, N. J.								
Julius Huelsen	Inspector	Mar. 10, 1888			\$1,400		\$1,049.93	
Nathan K. Fegley	Assistant inspector	June 8, 1896			1,200		1,196.73	
Archd. McBride	do	do			1,200		556.70	\$40.41 6.10
Geo. B. Rose	Stock examiner	Jan. 1, 1894	Dec. 25, 1898		1,000		483.73	
Immanuel Due	Clerk	Mar. 2, 1896			900		897.50	
Geo. J. Hoerner	Tagger	May 1, 1896			720		720.00	
Jno. McCullough, jr	do	Jan. 8, 1896			720		708.17	
Jno. Purcell, jr.	do	Sept. 1, 1893			720		720.00	
Thomas Shea	do	July 17, 1893			720		720.00	
Lincoln, Nebr.								
W. D. Robbins	Inspector	Jan. 4, 1894	Dec. 9, 1898		1,200		528.25	
Charles Keane	do	Dec. 1, 1897			1,200		29.35	\$6.10
Saml. E. Cosford	Assistant inspector	Dec. 10, 1895			1,200		648.91	31.90
Jno. E. Hart	Tagger	Oct. 15, 1897			720		91.90	
Russell G. Merrill	do	June 10, 1898			720		397.17	
Rudge & Morris Co.						Roll-top desk		22.00
J. H. Harley						Copying roller		8.00
Los Angeles, Cal.								
Orlando B. Hess	Inspector	July 1, 1896			1,400		98.91	22.47
Frank T. Shannon	Assistant inspector	July 15, 1895			1,200		1,304.43	16.50
Do.	Inspector	Sept. 1, 1898			1,400			
Wm. R. Dennis	Stock examiner	Nov. 10, 1896			900		885.14	
Arthur J. O'Rourke	do	do			900		887.50	
M. J. P. Nolte	Tagger	July 1, 1896			720		720.00	
Edw. E. Stephens	do	Dec. 9, 1896			720		720.00	
Eau Claire, Wis.								
Orrin W. Snyder	Assistant inspector	Oct. 1, 1896			1,200		29.67	10.40
Cincinnati, Ohio.								
Albert J. Payne	Assistant inspector	June 1, 1895			1,200		1,366.40	
Do.	Inspector	Sept. 1, 1898			1,400			17.29

Wm. P. Ellenberger	Assistant inspector	Aug. 18, 1898	1,200	1,043.39	
Wm. C. Shaw	do	Feb. 8, 1899	1,200	429.97	
A. L. Hirleman	Stock examiner	Mar. 10, 1896	900.00	263.95	
R. A. Broadhurst	Tagger	Jan. 1, 1896	720	720.00	
Edw. C. Carle	do	Oct. 1, 1896	720	720.00	
Chas. Pearson	do	June 15, 1898	720	716.08	
Patk. E. Quinn	do	Nov. 11, 1895	720	440.07	
Jno. C. Schook	do	Nov. 1, 1898	720		
<i>Cleveland, Ohio.</i>					
Edw. P. Schaffler	Inspector	Dec. 1, 1897	1,400	1,400.00	.91
Jas. T. Stuart	Assistant inspector	Mar. 1, 1898	1,200	1,183.41	
Jno. J. Crowley	Tagger	Nov. 6, 1893	720	810.00	
do	Stock examiner	Jan. 1, 1899	900	720.00	
Simon Kacher	Tagger	July 1, 1893	720	720.00	
Louis N. Stumpf	do	Nov. 6, 1893	720	720.00	
John D. Shannon	do	June 16, 1893	720	422.00	
<i>Clinton, Iowa.</i>					
Arthur B. Morse	Inspector	May 19, 1895	1,400	1,400.00	.40
<i>Wichita, Kans.</i>					
W. C. Barth	Inspector	Sept. 15, 1893	1,200	1,366.40	1.60
do	do	Sept. 1, 1898	1,400		
Thos. W. Oshel	Stock examiner	July 1, 1897	900	877.70	
<i>Worcester, Mass.</i>					
Edw. P. Dowd	Assistant inspector	Sept. 16, 1895	1,200	1,300.00	1.57
do	Inspector	Jan. 1, 1899	1,400		
Henry Leland	Tagger	Feb. 1, 1898	720	720.00	
<i>Pittsburg, Pa.</i>					
F. W. Ainsworth	Assistant inspector	Feb. 7, 1898	1,200	1,143.96	
Sidney W. Jones	Tagger	July 20, 1898	720	674.90	
Morton Magee	do	Nov. 11, 1898	720	459.73	
Jas. L. McGill	do	Jan. 17, 1898	720	498.93	
Jas. F. Hughes	do	May 9, 1898	720	177.94	
Wm. L. Myers	Laborer	Mar. 15, 1899		94.00	
Harry W. Waller	do	May 10, 1899	2.00		8.56
<i>Cedar Rapids, Iowa.</i>					
Trapan A. Shipley	Inspector	July 1, 1896	1,400	1,400.00	
John McBriney	do	June 15, 1897	1,400	19.02	
Wm. F. Phaeung	Stock examiner	Aug. 1, 1894	900	895.10	
Alfred Day	Tagger	Dec. 10, 1895	720	869.60	
do	do	Sept. 1, 1898	900		
Chas. L. Grumbine	Stock examiner	Feb. 28, 1899	2.00	398.00	
	Laborer				



Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per item.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
MEAT INSPECTION—continued.									
Davenport, Iowa.									
George Ditewig.....	Assistant inspector.....	Aug. 11, 1896	.....	.....	\$1,200	.....	\$1,200.00	.....	.....
George C. Burke.....	Stock examiner.....	Jan. 1, 1894	.....	.....	900	.....	900.00	.....	.....
John Trainer.....	do.....	June 27, 1895	.....	.....	900	.....	900.00	.....	.....
Boston, Mass.									
Wm. M. Balmer.....	Inspector.....	Nov. 20, 1893	.....	.....	1,200	.....	1,200.00	.....	.....
John V. Laddy.....	Assistant inspector.....	Mar. 1, 1898	.....	.....	1,200	.....	498.90	.....	.....
Alfred J. Martins.....	do.....	do.....	.....	.....	1,200	.....	1,173.63	.....	.....
P. H. Mullenney.....	do.....	Jan. 17, 1898	.....	.....	1,200	.....	997.83	.....	.....
Jno. P. O'Leary.....	do.....	Feb. 1, 1896	.....	.....	1,200	.....	263.73	\$12.45	.....
Wm. J. Reagan.....	do.....	Jan. 1, 1896	Mar. 31, 1899	.....	1,200	.....	307.94	.....	.....
H. Q. Thompson.....	do.....	Jan. 1, 1898	.....	.....	1,200	.....	1,196.70	.....	.....
Alex. E. Wight.....	do.....	Dec. 15, 1898	.....	.....	1,200	.....	655.43	.....	.....
Philip J. Panning.....	Stock examiner.....	Feb. 1, 1896	.....	.....	900	.....	890.06	.....	.....
Geo. D. Warner.....	do.....	July 1, 1898	.....	.....	900	.....	900.00	.....	.....
Frank N. Brown.....	Tagger.....	Jan. 8, 1896	.....	.....	720	.....	59.30	.....	.....
Wm. J. Corbett.....	do.....	Feb. 1, 1896	.....	.....	720	.....	412.27	.....	.....
Frank R. Fravel.....	do.....	Oct. 1, 1895	.....	.....	720	.....	720.00	.....	.....
Wm. H. Tozier.....	do.....	Dec. 21, 1891	.....	.....	720	.....	720.00	.....	.....
A. G. G. Richardson.....	do.....	.....	.....	.....	.....	Freight, telegrams, and stationery.	.....	.....	\$11.98
Brookline Gas Light Co.	.....	.....	.....	.....	.....	Gas	.....	.....	2.30
Wabash R. R. Co.	.....	.....	.....	.....	.....	Transportation, J. P. O'Leary.	.....	33.00	.....
Buffalo, N. Y.									
Harry M. Ball.....	Assistant inspector.....	Nov. 1, 1898	.....	.....	1,200	.....	798.90	.....	.....
Thomas Oastor.....	do.....	Apr. 1, 1897	.....	.....	1,200	.....	16.67	18.50	.....
Louis K. Green.....	do.....	Oct. 1, 1896	.....	.....	1,200	.....	234.07	.....	.....
John H. McNaul.....	do.....	Apr. 10, 1899	.....	.....	1,200	.....	270.33	.....	.....
John P. O'Leary.....	do.....	Feb. 1, 1896	.....	.....	1,200	.....	300.00	.....	.....
Wm. A. Rushworth.....	do.....	Dec. 15, 1896	.....	.....	1,200	.....	593.50	.....	.....
E. L. Volgerman.....	do.....	Dec. 2, 1895	.....	.....	1,200	.....	600.00	.....	.....
John L. Grobe.....	do.....	do.....	.....	.....	900	.....	900.00	.....	.....
A. W. Meyer.....	Stock examiner.....	Feb. 15, 1896	.....	.....	900	.....	450.00	.....	.....
H. L. Newton.....	do.....	Nov. 8, 1894	.....	.....	900	.....	450.00	.....	.....

H. L. Rieman	do	Feb. 15, 1896	900	597.50	.....
Michl. Chojnacki	Tagger	Apr. 16, 1894	720	478.80	.....
Frank J. Danahy	do	May 1, 1893	720	59.30	.....
Michl. Justinger	do	July 1, 1893	720	720.00	.....
Johannes Greiner	Laborer	May 29, 1896	1 \$80.00	137.97	.....
George E. Gangloff				360.00	.....
<i>Miscellaneous.</i>					
Chicago Car Seal and Manufacturing Co.				6,750.00	.....
Goes Lithographing Co.				5,552.74	.....
Dennison Manufacturing Co.				3,460.97	.....
American Railway Supply Co.				101.26	.....
John C. Parker				108.30	.....
J. S. Harley				5.63	.....
The J. C. Ergood Co.				15.34	.....
Eugene M. Tilden				7.45	.....
Chas. O. Brockway				88.00	.....
The Maurice Joyce Engraving Co.				1.50	.....
Chadwick Copying Book Co.				114.48	.....
Keen & Hagerly Manufacturing Co.				10.50	.....
E. Morrison Paper Co.				47.37	.....
Rudolph, West & Co.				2.47	.....
MacCall Bros.				24.78	.....
Library Bureau				12.00	.....
R. Carter Ballantyne				51.66	.....
C. S. Braisted				15.54	.....
L. Berger				1.50	.....
H. F. Miller & Son.				7.20	.....
Wm. E. Pratt				12.58	.....
The Harrington & King Perforating Co.				3.00	.....
H. E. Overstreet				2.83	.....
The Office and Library Co.				2.45	.....
Austin Smith				14.40	.....
The Geo. W. Knox Express Co.				5.51	.....
Fredk. Springmann				1.20	.....
Royce & Marean				27.80	.....
The White, Corbiu & Co.				5.70	.....
Vandalia Line.				154.52	.....
Star Union Line.				33.39	.....
Burlington and Missouri River R. R. in Nebraska.				52.85	.....
Missouri Pacific Rwy. Co.				7.17	.....

1 Per month.

*Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
MEAT INSPECTION—continued.									
<i>Miscellaneous—Continued.</i>									
Burlington, Cedar Rapids and Northern Rwy. Co.						Freight on stamps and seals.			\$1.65
Chicago, Indianapolis and Louisville Rwy. Co.						Freight on seals and presses.			4.32
Baltimore and Ohio R. R. Co.						Freight on ink			.86
Chicago, Milwaukee and St. Paul Rwy. Co.						Freight on tags and seals.			6.16
Chicago, Burlington and Quincy R. R. Co.						Freight on stamps and seals.			2.02
Hannibal and St. Joseph R. R. Co.						Freight on stamps, tags, and seals.			72.62
Chicago and North Western Rwy. Co.						Freight on stamps and tags.			99.58
Lehigh Valley R. R. Co.						do.			.75
Pennsylvania Co.						Freight on tags.			6.67
Archison, Topeka and Santa Fe Rwy. Co.						Freight on seals and stamps.			82.93
Chicago, Rock Island and Pacific Rwy. Co.						Freight on tags and hog rings.			3.48
Illinois Central R. R. Co.						Freight on seals and stamps.			8.40
Lake Shore and Michigan Southern Rwy. Co.						Freight on stamps.			1.82
Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.						do.			2.64
New York, New Haven and Hartford R. R. Co.						do.			.82
New York, Chicago and St. Louis R. R. Co.						do.			1.12
Louisville and Nashville R. R. Co.						Freight on tags.			1.66
Michigan Central R. R. Co.						Freight on stamps and hog rings.			.85
Oregon R. R. and Navigation Co.						Freight on tags and wires.			.50
St. Louis and San Francisco R. R. Co.						do.			.42
Southern Pacific Co.						do.			34.21
Union Pacific R. R. Co.						do.			50.64



Chicago, Ill.

E. Balzer	Microscopist	Aug. 1, 1896	\$1,800	\$1,280.00
Morris Wooden	Inspector	Mar. 16, 1899	1,800	530.00
E. L. Siegins	do	Sept. 1, 1893	1,400	1,400.00
A. R. Wake	Assistant inspector	Nov. 18, 1895	1,200	42.33
Norman R. Adams	Stock examiner	Nov. 1, 1895	900	70.00
Jas. Hale	do	Jan. 1, 1894	900	72.50
R. Kochanowski	do	do	900	372.50
F. L. Simpson	do	June 27, 1895	900	372.50
Jno. B. Sine	do	Dec. 1, 1893	900	372.50
H. G. Arnold	Tagger	Dec. 1, 1898	720	56.00
W. A. Birner	do	Feb. 15, 1898	720	110.00
R. A. Broadhurst	do	Jan. 1, 1896	720	293.86
Jno. W. Burton	do	Jan. 2, 1899	720	236.00
A. L. Faunce	do	Oct. 16, 1898	720	298.00
W. M. Foster	do	Dec. 1, 1898	720	56.00
Jno. J. Garrity	do	Sept. 1, 1893	720	56.00
A. E. Harris	do	May 1, 1896	720	298.00
Jas. Herriman	do	June 27, 1895	720	298.00
De L. Howard	do	Sept. 15, 1893	720	56.00
A. Hostetter	do	Oct. 1, 1898	720	272.33
Herman Jacobus	do	June 27, 1895	720	695.16
E. C. Lauck	do	Oct. 12, 1898	720	298.00
J. C. Lorenzen	do	June 27, 1895	720	298.00
Jno. C. Massie	do	Oct. 20, 1896	720	56.00
Wm. McKay	do	Oct. 27, 1895	720	720.00
Chas. W. Philpot	do	June 27, 1895	720	70.00
do	do	Oct. 18, 1897	900	
do	Stock examiner	Sept. 1, 1898	720	
do	Tagger	June 8, 1896	720	298.00
E. E. Rue	do	Aug. 15, 1891	720	56.00
Theo. Sauer	do	Dec. 1, 1898	720	268.19
H. L. Shale	do	Oct. 1, 1898	720	298.00
J. R. Simpson	do	Oct. 10, 1898	720	56.00
L. V. Stafford	do	Oct. 1, 1898	720	56.00
M. B. Summers	do	do	720	56.00
Thos. A. White	do	June 24, 1895	720	56.00
Ellen S. Mayhew	Microscopist	July 1, 1896	900	670.73
do	Assistant microscopist	Dec. 1, 1898	600	
Bertha I. Allen	do	Dec. 20, 1897	600	521.62
Maud S. Armstrong	do	Apr. 6, 1898	600	513.61
Flora A. Ayers	do	Nov. 26, 1894	600	526.42
May E. Bablick	do	Oct. 6, 1898	600	435.34
Katie Barrow	do	Nov. 1, 1892	600	442.20
G. M. Barry	do	Apr. 6, 1898	600	515.09
Mary K. Barry	do	May 1, 1895	600	567.29
Addie E. Bennieson	do	Apr. 23, 1894	600	506.78
Malvina A. Bixby	do	Aug. 20, 1897	600	545.84
Estella C. Bonds	do	Apr. 6, 1898	600	545.84
Veturia E. Boyd	do	Feb. 17, 1897	600	562.48
Kate H. Brady	do	Dec. 1, 1892	600	570.62
M. E. Brandt	do	Dec. 7, 1896	600	554.33
Laura D. Burke	do	June 22, 1891	600	373.25

Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—continued.									
Chicago, Ill.—Continued.									
Nellie Callaghan.....	Assistant microscopist.....	Sept. 1, 1893.....	.....	.....	\$600.....	.....	\$437.53.....	.....	.....
Tillie Cella.....	do.....	Nov. 28, 1892.....	Oct. 31, 1898.....	.....	600.....	.....	84.78.....	.....	.....
Agnes Chase.....	do.....	Oct. 6, 1898.....	.....	.....	600.....	.....	480.40.....	.....	.....
Anna F. Clarke.....	do.....	Sept. 1, 1893.....	.....	.....	600.....	.....	541.30.....	.....	.....
M. J. Connell.....	do.....	do.....	.....	.....	600.....	.....	572.25.....	.....	.....
Nora Conway.....	do.....	Oct. 10, 1892.....	.....	.....	600.....	.....	489.64.....	.....	.....
May H. Crosby.....	do.....	Sept. 1, 1893.....	.....	.....	600.....	.....	518.07.....	.....	.....
Lillie M. Crowell.....	do.....	Feb. 1, 1894.....	.....	.....	600.....	.....	568.85.....	.....	.....
Nellie E. Damon.....	do.....	Feb. 5, 1894.....	.....	.....	600.....	.....	570.65.....	.....	.....
Estelle G. Davis.....	do.....	Apr. 6, 1898.....	.....	.....	600.....	.....	513.49.....	.....	.....
Nina B. Davis.....	do.....	Jan. 3, 1898.....	.....	.....	600.....	.....	523.34.....	.....	.....
Bertha L. Diller.....	do.....	Sept. 1, 1893.....	.....	.....	600.....	.....	511.64.....	.....	.....
E. M. Donegan.....	do.....	Apr. 6, 1898.....	.....	.....	600.....	.....	513.44.....	.....	.....
Delia Dietz.....	do.....	Oct. 11, 1898.....	.....	.....	600.....	.....	420.59.....	.....	.....
Barbara Dorse.....	do.....	Dec. 26, 1894.....	.....	.....	600.....	.....	531.58.....	.....	.....
Elia B. Earle.....	do.....	Mar. 25, 1895.....	.....	.....	600.....	.....	557.62.....	.....	.....
Eliz. K. Eckert.....	do.....	Mar. 16, 1895.....	.....	.....	600.....	.....	483.08.....	.....	.....
Margret Enright.....	do.....	Sept. 11, 1893.....	.....	.....	600.....	.....	463.79.....	.....	.....
Matilda Evanson.....	do.....	Dec. 21, 1897.....	.....	.....	600.....	.....	560.84.....	.....	.....
Abbie M. Farwell.....	do.....	Feb. 15, 1895.....	.....	.....	600.....	.....	562.29.....	.....	.....
Lyde Finlen.....	do.....	Jan. 1, 1894.....	.....	.....	600.....	.....	414.04.....	.....	.....
Ada K. Gannon.....	do.....	Feb. 15, 1894.....	.....	.....	600.....	.....	211.14.....	.....	.....
Eliz. C. Gibson.....	do.....	July 24, 1896.....	.....	.....	600.....	.....	307.44.....	.....	.....
Mary F. Goggin.....	do.....	Aug. 9, 1897.....	.....	.....	600.....	.....	520.05.....	.....	.....
N. M. Goodridge.....	do.....	May 16, 1893.....	.....	.....	600.....	.....	506.59.....	.....	.....
Charlotte R. Grosse.....	do.....	Oct. 11, 1898.....	.....	.....	600.....	.....	423.86.....	.....	.....
Jennie E. Hatch.....	do.....	Sept. 7, 1897.....	.....	.....	600.....	.....	541.06.....	.....	.....
Fessie C. Havcy.....	do.....	June 20, 1891.....	.....	.....	600.....	.....	498.56.....	.....	.....
Julia Hell.....	do.....	Feb. 17, 1897.....	.....	.....	600.....	.....	516.68.....	.....	.....
Tillie Hell.....	do.....	Dec. 21, 1897.....	.....	.....	600.....	.....	418.75.....	.....	.....
Bessie M. Healy.....	do.....	Oct. 6, 1898.....	.....	.....	600.....	.....	428.75.....	.....	.....
Eva M. Headstrom.....	do.....	Dec. 19, 1897.....	Nov. 30, 1898.....	.....	600.....	.....	125.55.....	.....	.....
Jessie Hickman.....	do.....	Dec. 20, 1897.....	.....	.....	600.....	.....	559.22.....	.....	.....
Dora V. N. Hosmer.....	do.....	Feb. 1, 1894.....	.....	.....	600.....	.....	411.90.....	.....	.....
May E. Hotchkiss.....	do.....	Mar. 1, 1895.....	.....	.....	600.....	.....	560.62.....	.....	.....
Mertle A. Hunt.....	do.....	Jan. 3, 1898.....	.....	.....	600.....	.....	536.15.....	.....	.....
Abbie W. Hunter.....	do.....	Feb. 1, 1894.....	.....	.....	600.....	.....	498.50.....	.....	.....

Effie M. Hunter	do	Nov. 24, 1896	600	547.30	.....
Mary Hurley	do	Dec. 1, 1896	600	500.67	.....
Sarah A. Ingram	do	Jan. 1, 1898	600	572.25	.....
Louise Johnson	do	Apr. 3, 1898	600	489.33	.....
Mae B. Joslin	do	Dec. 19, 1897	600	293.45	\$6.00
Mary E. Kean	do	Sept. 1, 1893	600	562.48	.....
Nellie E. Kenyon	do	Sept. 20, 1897	600	519.99	.....
Alice Lawson	do	Aug. 9, 1897	600	534.21	.....
Mary E. Leahy	do	Sept. 1, 1893	600	491.86	.....
Louise M. Lorey	do	Mar. 10, 1898	600	400.82	.....
Kate R. Luce	do	Aug. 17, 1897	600	559.01	.....
E. C. McCarthy	do	Jan. 3, 1898	600	567.29	.....
Rosa McDonnell	do	Apr. 6, 1898	600	554.36	.....
L. G. McGlasson	do	May 1, 1892	600	573.48	.....
Daisy G. McCrauh	do	Jan. 3, 1898	600	501.60	.....
Amy T. Mace	do	.....do	600	526.64	.....
Katie A. Murphy	do	Aug. 15, 1892	600	573.81	.....
Maggie Murphy	do	June 6, 1898	600	283.56	6.00
Maunie F. Murray	do	Sept. 1, 1893	600	558.95	.....
Eliz. L. Neill	do	Jan. 3, 1898	600	519.85	.....
Annie Nicolai	do	Sept. 16, 1891	600	542.86	.....
Agnes B. O'Brien	do	Sept. 16, 1891	600	562.51	.....
Helen E. O'Brien	do	Aug. 9, 1897	600	568.71	.....
Julia H. O'Brien	do	.....do	600	509.92	.....
Bessie D. Ockerby	do	Oct. 6, 1896	600	430.88	.....
Jessie G. Ogden	do	Mar. 15, 1895	600	577.17	.....
M. L. L. Peterson	do	Aug. 6, 1894	600	532.14	.....
Genevieve Petrie	do	Mar. 21, 1898	600	371.75	.....
Emma Pierson	do	Dec. 20, 1897	600	462.38	.....
Jo. Putnam-Hinds	do	Aug. 20, 1897	600	48.91	.....
Anna M. Quinn	do	Jan. 3, 1898	600	524.80	.....
A. H. Richards	do	Oct. 1, 1891	600	515.15	.....
Agnes B. Rieder	do	Mar. 1, 1895	600	314.86	.....
Laura Rieder	do	Dec. 20, 1897	600	516.51	.....
Sarah A. Riley	do	.....do	600	122.28	.....
Belle Rifter	do	Feb. 1, 1894	600	513.04	.....
Lila Robinson	do	Dec. 1, 1894	600	573.78	.....
Mabel Rockwell	do	Feb. 1, 1894	600	395.66	.....
Josephine Rockwell	do	Oct. 1, 1891	600	546.06	.....
Blanche Roy	do	Jan. 3, 1898	600	508.92	.....
Blanche Rutledge	do	Dec. 1, 1894	600	578.77	.....
Nellie A. Ryan	do	Jan. 1, 1893	600	567.17	.....
Hamah Scablan	do	Oct. 10, 1892	600	588.40	.....
Nellie Sheehan	do	Apr. 1, 1892	600	575.37	.....
Mae H. Shaw	do	Oct. 6, 1898	600	435.34	.....
Ella Schwahn	do	Dec. 7, 1896	600	511.77	.....
Mary Sheehan	do	Jan. 3, 1898	600	309.65	.....
Evalina M. Shepard	do	Dec. 7, 1896	600	524.87	.....
Jennie M. Shufeldt	do	Feb. 19, 1897	600	483.33	.....
Pearl C. Sigler	do	Dec. 1, 1894	600	433.60	.....
Naunie D. Strail	do	Oct. 6, 1898	600	435.34	.....
	do	Feb. 1, 1894	600	565.61	.....



Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.

## SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Traveling.	Miscellaneous.	
				Per diem.	Per annum.	Miscellaneous items.	Salaries.				
MEAT INSPECTION—continued.											
Chicago, Ill.—Continued.											
W. O. Sutherland	Assistant microscopist.	Feb. 1, 1894			\$600		\$539.05				
Maggie Taylor	do	Feb. 15, 1894			600		407.94				
Virginia S. Taylor	do	Feb. 1, 1894			600		499.66				
Hattie E. Thomas	do	do			600		555.96				
Josephine C. Tully	do	Jan. 3, 1898			600		493.52				
Katherine Tully	do	Mar. 1, 1895			600		524.51				
Mildred E. Walters	do	Nov. 24, 1896			600		562.30				
Katherine Welland	do	Dec. 17, 1894			600		547.51				
Carrie Wells	do	Dec. 18, 1893			600		472.20				
Clara Werther	do	Sept. 1, 1891			600		517.59				
Florence Whyte	do	Oct. 6, 1898			600		433.75				
Laura S. Wright	do	Aug. 1, 1894			600		24.46				
Edith W. Dewey	Laborer.	Nov. 1, 1898			1 \$20.00		234.09				
Selena Hosken	do	May 29, 1896			30.00		350.03				
Annie Lynch	do	Mar. 1, 1898			30.00		310.58				
Lillie Watkins	do	July 2, 1897			30.00		357.03				
W. S. Devoe						Office expenses.				\$37.28	
Gahan & Byrne						Rent.				2,700.00	
The Office Toilet Supply Co.						Towel service				559.12	
Clary Bros.						Hire, horse and wagon				310.00	
J. Babette						Repairing lock boxes				32.65	
Deane Bros.						Making and fitting boxes				11.80	
J. S. Ford, Johnson & Co.						Cane chairs.				33.83	
The Consumers' Co.						Ice				44.77	
Knickerbocker Ice Co.						do				37.07	
Hilbard, Spencer, Bartlett & Co.						Ice chest and basins.				18.17	
James Stewart						Repairing tables				3.30	
A. M. Rothschild & Co.						Brimmed cloth				6.00	
G. A. Shuster.						Call-skinning knives				2.00	
Kansas City, Kans. and Mo.											
S. Stewart	Microscopist.	July 1, 1893			1,400		1,361.80				
Jas. F. Atherton.	Clerk.	Jan. 16, 1899	Mar. 15, 1899		840		121.40				
Hiram G. Herriek	do	Mar. 25, 1898			840		210.00				
Claude F. Morris	do	Dec. 5, 1898			840		20.51				

Thos. A. Scott.....	do	Mar. 10, 1898	840	826.38
Geo. D. Young.....	do	Mar. 16, 1898	840	52.50
L. S. Campbell.....	Tagger	Nov. 17, 1898	720	87.99
B. Cunningham.....	do	Dec. 15, 1893	720	540.00
E. E. Laird.....	do	Sept. 15, 1897	720	418.60
M. C. Lint.....	do	Aug. 8, 1898	720	643.76
G. T. Mann.....	do	Dec. 21, 1891	720	682.34
H. R. McNally.....	do	Nov. 15, 1898	720	428.20
Morey Supplington.....	do	May 1, 1896	720	60.60
O. A. Stingley.....	do	Jan. 16, 1899	720	195.41
Anna B. Armstrong.....	Assistant microscopist.	Jan. 17, 1898	600	400.74
Anna E. Bale.....	do	Feb. 7, 1898	600	435.32
Ida Bannister.....	do	Sept. 1, 1893	600	423.88
Amelia Barthels.....	do	June 20, 1892	600	407.54
Mary Bunce.....	do	Sept. 1, 1893	600	407.41
Margaret Burke.....	do	Feb. 7, 1898	600	405.75
Mary L. Burke.....	do	Sept. 1, 1893	600	433.62
May E. Carlisle.....	do	do	600	412.22
Anna M. Comstock.....	do	Feb. 7, 1898	600	435.29
Nellie B. Crowley.....	do	do	600	372.25
Sallie A. Evans.....	do	Aug. 15, 1893	600	425.36
Midge Frechette.....	do	Sept. 1, 1893	600	402.38
Florence E. Gray.....	do	Dec. 20, 1897	600	369.33
Marie Hancock.....	do	Feb. 7, 1898	600	415.66
Josie Harrahun.....	do	Aug. 20, 1897	600	269.93
Mary Henry.....	do	Sept. 1, 1893	600	432.02
Doratha Holt.....	do	Aug. 20, 1897	600	365.91
Sallie Hughes.....	do	May 1, 1895	600	346.80
Hattie M. Johnson.....	do	Feb. 7, 1898	600	427.16
Herman J. Kelley.....	do	Sept. 1, 1893	600	354.69
Tessie Linderman.....	do	June 23, 1892	600	423.67
Kate Lynch.....	do	Jan. 10, 1898	600	446.70
Kate Martana.....	do	Jan. 11, 1893	600	410.44
Ida B. Martin.....	do	Nov. 15, 1893	600	332.89
Millie Martin.....	do	Aug. 20, 1897	600	433.58
Bessie J. Matson.....	do	Feb. 7, 1898	600	397.01
Eliz. L. McCane.....	do	do	600	430.20
Mary McGarty.....	do	June 1, 1892	600	361.16
Margaret Mertell.....	do	Sept. 1, 1893	600	410.60
Maria P. Mullay.....	do	Sept. 1, 1893	600	443.33
Louise C. Olson.....	do	Jan. 3, 1898	600	347.70
Nora Osborne.....	do	Jan. 1, 1893	600	420.22
Jessie E. Rogers.....	do	Feb. 7, 1898	600	440.13
Maudie E. Rowles.....	do	Feb. 1, 1898	600	427.00
May B. Schoettle.....	do	Aug. 20, 1897	600	337.18
Stella Sweet.....	do	June 16, 1893	600	446.70
Emma I. Torrence.....	do	Sept. 1, 1893	600	419.02
Jennie Tunstall.....	do	Sept. 1, 1893	600	443.43
Clara M. Waldo.....	do	Feb. 7, 1898	600	445.00
Jennie B. Wheeler.....	do	Feb. 1, 1898	600	423.96
Cora L. Williams.....	do	Jan. 10, 1898	600	446.70
Marion Williams.....	do	Sept. 1, 1893	600	410.36

1 Per month.

Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—continued.									
Kansas City, Kans. and Mo.—Continued.									
Martha L. Wisdom.	Assistant microscopist.	Oct. 1, 1893			\$600		\$251.60		
Fannie B. Woodson.	do	do			600		394.01		
Emma M. Wyatt.	do	Aug. 1, 1892			600		396.13		
Claude McFarland.	Laborer	June 1, 1898		}	1,550.00				
Do	do	Mar. 1, 1899			2.00		506.00		
S. E. Bennett.						Office expenses			\$2.86
C. W. Tourtellot.						Rent.			540.00
The B.-R. Electric Co.						Electric fans.			96.00
Armour Packing Co.						Placing electric wires			20.45
W. A. Griswold.						Soap.			5.75
Dennison Mfg. Co.						Tag fasteners.			3.25
J. W. Timmer.						Hardware, oil, and matches			12.55
Wyandotte Gas Co.						Gas.			29.60
Silver Laundry and Towel Co.						Towel service			80.73
Robert Keith Furniture and Carpet Co.						Window shades			4.95
W. H. Creed.						Blank books.			10.00
The J. H. North Furniture and Carpet Co.						Linoleum.			21.00
R. H. Williams.						Soap and pearline.			6.85
Emery, Bird, Thayer Dry Goods Co.						Floor brush and toilet paper.			10.48
Goodyear Rubber Co.						Chair tips.			5.76
James Sullivan.						Coal and kindling.			46.00
South Omaha, Nebr.									
Lowell Clarke.	Assistant inspector.	Nov. 1, 1895			1,200		1,154.33		
Jos. G. Beattie.	Tagger	Dec. 1, 1898			720		298.00		
Jno. P. Blair.	do	May 1, 1898			720		284.00		
C. E. Campbell	do	Dec. 1, 1898			720		56.00		
M. T. Hascall.	do	do			720		177.30		
Ira F. Knee.	do	July 18, 1898			720		56.00		
Jno. B. Payton	do	July 16, 1897			720		298.00		
Chris. M. Raff	do	Mar. 9, 1898			720		298.00		
Isaiah Richards.	do	Dec. 1, 1898			720		296.06		





*Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.*

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
MEAT INSPECTION—continued.									
New York, N. Y.									
E. Balzer.....	Microscopist.....	Mar. 18, 1899			\$1,200		\$346.67	\$23.93	
A. H. Richards.....	Assistant microscopist.....	Mar. 1, 1895			600		190.00	25.25	
Eugénie Uhlrich.....	do.....	May 16, 1898			600		92.36		
R. W. Hickman.....						Expressage on tin boxes.....			\$1.00
Buffalo, N. Y.									
Louis K. Green.....	Assistant inspector.....	Oct. 1, 1896			1,200				
Thos. Castor.....	do.....	Apr. 1, 1897			1,200				
Wm. J. Carroll.....	Tagger.....	Apr. 16, 1894	June 17, 1899		720			568.48	
F. J. Danahy.....	do.....	May 1, 1893			720			438.40	
H. H. Hulbirt.....	do.....	July 20, 1898	June 24, 1899		720			58.80	
E. F. Slater, jr.....	do.....	Dec. 7, 1896			720			657.41	
Jas. F. Hughes.....	Laborer.....	May 9, 1898			720			109.51	
Emma Becker.....	Assistant microscopist.....	Aug. 1, 1892			600			479.40	
M. A. Clinton.....	do.....	July 10, 1893			600			441.45	
Kate Colgan.....	do.....	Aug. 6, 1894			600			434.80	
Lillian E. Farrell.....	do.....	July 10, 1893			600			467.47	
Mary A. Hannahan.....	do.....	Sept. 11, 1893			600			349.69	
Mary F. Lannon.....	do.....	do.....			600			465.82	
Lizzie Lidle.....	do.....	Aug. 1, 1892			600			467.47	
Pearl Masten.....	do.....	Dec. 15, 1892			600			462.54	
Anna L. Moran.....	do.....	Aug. 1, 1892			600			387.26	
Nellie Nunan.....	do.....	July 10, 1893			600			359.53	
Johanna Greiner.....	do.....	May 29, 1896			600			467.47	
N. P. Hinkley.....	Laborer.....				1,830.00			180.00	
C. H. Zink.....						Office expenses.....			32.54
International Office Toilet Supply Co.....						do.....			1.76
J. S. Ford, Johnson & Co.....						Towel supply.....			51.60
						Cane chairs.....			24.17
Boston, Mass.									
Morris Wooden.....	Inspector.....	Apr. 1, 1898			1,400		987.73		
Ulysses G. Houck.....	do.....	Mar. 10, 1899			1,400		435.56	48.90	
Wm. P. Cherrington.....	Stock examiner.....	Dec. 1, 1894			900		897.57		
Frank N. Brown.....	Tagger.....	Jan. 8, 1896			720		660.70		

F. H. Burleigh	Sept. 28, 1891	720	720.00	720	720.00
Henry W. Busted	Feb. 1, 1896	720	720.00	720	720.00
Winfield E. Berry	June 1, 1899	720	34.00	720	34.00
A. C. Chapin	Feb. 14, 1899	720	272.00	720	272.00
Wm. J. Corbett	Feb. 1, 1896	720	298.00	720	298.00
Eva M. Chickering	Nov. 24, 1896	600	572.11	600	572.11
Assistant microscopist.	Apr. 11, 1898	600	580.27	600	580.27
Helen M. Colby	June 1, 1894	600	550.82	600	550.82
Gerta M. Cogan	May 23, 1898	600	198.91	600	198.91
Mary A. Constant	Nov. 30, 1898	600	554.27	600	554.27
Mima M. Dean	do	600	547.62	600	547.62
Elizabeth M. Driscoll	Feb. 15, 1899	600	810.87	600	810.87
Lucella M. Eaton	Nov. 24, 1896	600	516.34	600	516.34
G. H. Ellison	Jan. 5, 1893	600	499.69	600	499.69
Carrie I. Ellsworth	Feb. 1, 1894	600	519.39	600	519.39
Emma H. Ellsworth	Apr. 11, 1898	600	568.94	600	568.94
Alice N. Foss	July 16, 1893	600	418.73	600	418.73
Anna Erickson	Dec. 12, 1892	600	562.26	600	562.26
Abbie F. Gage	Nov. 24, 1896	600	553.77	600	553.77
Violet A. Hall	Apr. 11, 1898	600	476.96	600	476.96
Carrie B. Hosler	do	600	522.79	600	522.79
Sarah G. Kelley	Nov. 1, 1893	600	6.52	600	6.52
Clara La Freniere	Sept. 28, 1891	600	519.46	600	519.46
Mary F. Langdon	June 24, 1895	600	249.66	600	249.66
Mabel F. Lowe	May 1, 1894	600	473.81	600	473.81
Mary E. Macloskey	Feb. 1, 1898	600	512.62	600	512.62
Elizabeth B. Muncey	Apr. 11, 1898	600	182.46	600	182.46
Helen G. Nutter	Nov. 24, 1896	600	48.91	600	48.91
M. M. Sedgwick	Dec. 26, 1892	600	588.83	600	588.83
Cora L. Seeley	Apr. 23, 1894	600	539.03	600	539.03
Margaret V. Slater	Feb. 1, 1898	600	474.29	600	474.29
Annie C. Shepherd	Apr. 11, 1898	600	558.90	600	558.90
Eliza M. Taylor	Apr. 23, 1894	600	567.09	600	567.09
Florence I. Turner	Feb. 1, 1898	600	490.48	600	490.48
Ida J. Vanec	May 1, 1894	600	372.79	600	372.79
Carlotta L. Ward	Apr. 11, 1898	600	570.29	600	570.29
Alice M. Watkeys	do	600	580.27	600	580.27
Effie I. Wescott	Nov. 1, 1891	600	529.68	600	529.68
Etta L. Williams	do	600	Straps for sample boxes	600	7.20
J. W. Bush	do	600	Towel service	600	126.61
Bay State Clean Towel Fur-					
nishing Co.					
<i>Cedar Rapids, Iowa.</i>					
Walter J. Stewart	June 15, 1896	1,200	1,064.51	1,200	1,064.51
D. N. Wheeler	Mar. 10, 1898	720	716.66	720	716.66
Do	July 15, 1898	600	13.04	600	13.04
Mary E. Adams	Feb. 16, 1898	600	249.75	600	249.75
Edith A. Bailey	do	600	254.78	600	254.78
Martha A. Brittan	do	600	233.34	600	233.34
Ursula P. Bryant	do	600		600	

1 Per month.



*Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.*

## SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.
MEAT INSPECTION—continued.								
Cedar Rapids, Iowa—Cont'd.								
Trescy Cowan	Assistant microscopist.	Feb. 16, 1898					\$254.78	
May M. Hartley	do	do			\$600		166.42	
C. M. Hopkins	do	do			600		228.38	
Isabel D. Knox	do	do			600		191.10	
Goldie B. Spafard	do	do			600		231.86	
Edith L. Wolf	do	do			600		236.71	
T. A. Shipley	do	do				Office expenses		\$98.07
Cleveland, Ohio.								
Frank Fila	Tagger	Sept. 25, 1893			720		720.00	
Jno. D. Shannon	do	Nov. 6, 1893			720		298.00	
Margaret Carroll	Assistant microscopist.	Oct. 22, 1894			600		112.41	
M. L. Coreoran	do	Dec. 15, 1897			600		305.48	
A. M. Daugherty	do	Oct. 22, 1894			600		364.28	
Mary English	do	July 1, 1893			600		344.83	
Mary Evans	do	Nov. 1, 1894			600		310.54	
Minnie Forsch	do	July 1, 1893			600		313.85	
Mary Reinhart	do	Sept. 1, 1893			600		361.03	
Isabella Lacey	do	Dec. 1, 1897		\$30.00			341.00	1.40
Edw. P. Schaffter	Laborer					For repairing lock boxes		
Cincinnati, Ohio.								
Carrie Ehlers	Assistant microscopist.				600		585.00	
A. J. Payne	do					Office expenses		2.17
National Stock Yards, Ill.								
Frank L. De Wolf	Assistant inspector	Sept. 16, 1895			1,200		1,200.00	
David C. Barnett	Tagger	Mar. 25, 1898			720		720.00	
E. S. Bennett	do	Feb. 15, 1895			720		712.00	
Jas. W. Chowning	do	Dec. 1, 1898			720		29.35	
Wm. J. Doyle	do	Feb. 15, 1895			720		391.30	
Geo. F. Harley	do	June 18, 1898			720		383.31	
Ada H. Baker	Assistant microscopist.	Mar. 10, 1898			600		393.79	
Inez J. Christie	do	Apr. 18, 1898			600		301.05	

Mary Connolly.....	do	June 10, 1898	.....	600	508.10	.....
Pearl M. Finch.....	do	.....do	.....	600	504.79	.....
Sallie R. Griffin.....	do	Sept. 1, 1898	.....	600	136.56	.....
Cora A. Houseman.....	do	June 10, 1898	.....	600	460.98	.....
Anna Klinge.....	do	Mar. 10, 1898	.....	600	493.49	.....
Louise M. Lorey.....	do	.....do	.....	600	161.33	.....
Mamie Pauly.....	do	.....do	.....	600	509.79	.....
Laura S. Ropiequet.....	do	.....do	.....	600	509.82	.....
Martha Schnell.....	do	June 10, 1898	.....	600	513.08	.....
Mae Searies.....	do	Apr. 18, 1898	.....	600	292.72	.....
Orville H. Banks.....	do	Mar. 26, 1898	.....	600	380.00	.....
J. J. Brongham.....	Laborer	.....	130.00	.....	Office expenses.	56.61
St. Louis Nat'l Stock Yards.....	.....	.....	.....	.....	Rent.	600.00
<i>Milwaukee, Wis.</i>						
Jno. R. Mohler.....	Assistant inspector	Feb. 1, 1897	.....	1,200	1,058.22	.....
Walter J. Stewart.....	do	June 15, 1896	.....	1,200	108.79	.....
Chester J. Curtis.....	Tagger	June 5, 1894	.....	720	298.00	\$14.90
Elbert V. Putnam.....	do	May 1, 1896	.....	720	242.00	.....
Clara Bunck.....	Assistant microscopist.	June 1, 1893	Sept. 12, 1898	600	11.41	.....
Mary Buttrick.....	do	Apr. 25, 1898	.....	600	86.42	.....
Ella M. Caldwell.....	do	Jan. 3, 1898	.....	600	349.69	.....
Louise Faust.....	do	Nov. 1, 1894	.....	600	403.61	.....
Emma C. Fogo.....	do	Feb. 25, 1898	.....	600	146.87	.....
Mary Gorman.....	do	Aug. 26, 1891	.....	600	115.78	.....
Matie Kneeland.....	do	May 1, 1894	.....	600	112.51	.....
Mae B. Joslin.....	do	Dec. 19, 1897	.....	600	140.24	.....
Lucia R. Kemper.....	do	Aug. 26, 1891	.....	600	21.20	.....
Harriet F. King.....	do	Feb. 21, 1898	July 25, 1898	600	91.32	.....
Sue Nichols.....	do	Oct. 25, 1897	.....	600	249.24	.....
Frankie E. Kelly.....	do	Jan. 3, 1898	.....	600	405.22	.....
Anastasia Lawrence.....	do	Sept. 7, 1897	.....	600	354.65	.....
Josephine A. Lyon.....	do	Dec. 15, 1894	.....	600	387.18	.....
Pearl N. Maynard.....	do	Oct. 25, 1897	.....	600	333.49	.....
M. Myrtle Maynard.....	do	Apr. 25, 1898	.....	600	356.32	.....
Mary McShane.....	do	Feb. 16, 1895	.....	600	401.98	.....
Maggie Murphy.....	do	Jan. 6, 1898	.....	600	122.30	.....
Ida M. E. Scholz.....	do	Apr. 25, 1898	.....	600	370.75	.....
Ella Schwahn.....	do	Jan. 8, 1898	.....	600	96.21	.....
Hattie Schulz.....	do	Sept. 15, 1891	.....	600	141.86	.....
Mary M. Sheldon.....	do	Apr. 25, 1898	.....	600	194.08	.....
Mary Somers.....	do	Feb. 16, 1895	.....	600	394.68	.....
Nellie F. Somers.....	do	Jan. 10, 1898	.....	600	306.06	.....
Thekla E. Sonntag.....	do	.....do	.....	600	184.00	.....
Marie J. Ward.....	do	Jan. 24, 1898	.....	600	414.58	.....
E. E. Whittaker.....	do	Jan. 1, 1898	.....	600	372.30	.....
Sylvia M. Whittaker.....	do	Apr. 25, 1898	.....	600	370.60	.....
Edna L. Willis.....	do	.....do	.....	600	332.78	.....
Anna Zimmerman.....	do	Feb. 16, 1895	.....	600	404.90	.....
A. E. Behnke.....	do	.....	.....	600	Office expenses.	132.31

1 Per month.

Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—continued.									
Milwaukee, Wis.—Continued.									
Harry Booth.						Changing partition.			\$21.00
J. S. Ford, Johnson & Co.						Cane chairs			62.83
Indianapolis, Ind.									
Robert Darling	Assistant inspector	Dec. 13, 1897			\$1,200		\$503.30		
Thos. Castor	do	Apr. 1, 1897			1,200		411.51		
Richard W. Tuck	do	Apr. 18, 1898			1,200		95.60		
Matt. Quinn	Tagger	Apr. 16, 1893			720		298.00		
Wm. A. Skinner	do	Nov. 18, 1895			720		102.82		
Izetta A. Bell	Assistant microscopist.	Dec. 15, 1898			600		283.20		
Margaret Carroll	do	Oct. 22, 1894			600		310.88	\$13.35	
Mary B. Clark	do	June 21, 1897			600		491.82		
Margaret Clarke.	do	Apr. 16, 1894			600		524.19		
M. H. Dickinson	do	Feb. 1, 1898			600		488.74		
Elsie E. Daugherty	do	do			600		509.95		
Mary A. Egan	do	Oct. 1, 1894			600		540.50		
Nellie Holland	do	Nov. 8, 1894			600		545.69		
Eliz. S. Hurst	do	Dec. 7, 1896			600		537.44		
Lizzie Keller	do	Aug. 20, 1897			600		508.36		
Mary Lucid	do	Dec. 16, 1893			600		558.67		
Nellie Lewis	do	Dec. 1, 1898			600		307.69		
M. I. Metcalf	do	do			600		317.45		
Katharine H. Mara	do	Dec. 10, 1896			600		158.11		
Edna E. Mattox	do	do			600		61.91		
Pearl C. Miles	do	Dec. 7, 1896	Oct. 24, 1898		600		565.36		
Flora F. Miller	do	Oct. 6, 1896	Aug. 9, 1898		600		580.80		
Mary E. Ritchie	do	Nov. 26, 1894			600		563.69		
R. E. Robinson.	do	Feb. 1, 1898			600		495.15		
Ella A. Sullivan	do	Dec. 1, 1894			600		549.06		
Daisy Stewart	do	Feb. 1, 1898			600		491.97		
Wil B. Tate	do	Oct. 9, 1896			600		562.14		
Fannie D. Tremaine	do	May 1, 1898			600		200.50		
Mary Morrison	Laborer	Dec. 1, 1897		1 \$30.00			300.00		
Louis S. Dreyer	do	Oct. 10, 1898		2.00			194.00		
Jos. Foppiano	do	Jan. 21, 1899		2.00			46.00		
Burwell Goff	do	July 13, 1898		2.00			134.00		
Thos. J. Turner	do	Apr. 30, 1898				Office expenses.			45.35



<i>Ottumwa, Iowa.</i>									
George S. Bliss.....	May 18, 1898	Mar. 20, 1899	720	298.00					
Harriet E. Barnes.....	June 9, 1898		600	310.30					
Fannie Cone.....	Mar. 9, 1898		600	422.54					
Nannie B. Frey.....	Jan. 9, 1899		600	197.35					
Maudie D. Holman.....	Mar. 9, 1898		600	424.08					
Clara E. Holmes.....	Apr. 18, 1898		600	228.44					
Bertha S. Hunter.....	Mar. 9, 1898		600	402.82					
B. McFarland.....	June 9, 1898	Jan. 31, 1899	600	68.47					
Margaret E. Stevens.....	do	Nov. 30, 1898	600	480.83					
Vinnie T. White.....	Mar. 9, 1898	Dec. 11, 1898	600	182.60					
U. R. Walton.....	Mar. 23, 1898	130.00		360.00					20.47
Joshua Miller.....									
<i>Sioux City, Iowa.</i>									
Ulysses G. Houck.....	Sept. 15, 1896		1,200	754.95					
Wm. A. Heck.....	Apr. 15, 1897		1,200	267.03			11.01		
Patrick Finnian.....	Nov. 17, 1898		720	296.06					
Amelia M. Allyn.....	May 16, 1898		600	439.80					
Mary A. Atwood.....	Feb. 7, 1898		600	26.09					
Eulalia Edwards.....	Sept. 1, 1897		600	426.46					
M. L. Pendleton.....	May 9, 1898		600	411.46					
Alice E. Spalding.....	do		600	403.51					
Anna B. Strange.....	do		600	438.16					
H. Inez Temple.....	Feb. 7, 1898		600	439.81					
Clara E. Townsend.....	May 16, 1898		600	441.47					
Eugenie Uhrich.....	do		600	350.84					
Mary E. Williams.....	Oct. 25, 1897		600	199.67					
Henry D. Osborne.....	Mar. 21, 1898	2.00		256.00					
Wm. Thompson.....									132.86
E. A. Conway Coal Co.....									60.00
The Architectural Wood Works.....									11.00
Webb Bros. Co.....									6.00
Gillette Hardware Co.....									.60
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck.....	Apr. 15, 1897		1,200	903.24					
Jas. F. Atherton.....	Mar. 25, 1898		720	117.50					
Walter D. Benton.....	Apr. 15, 1898		720	56.00					
Wm. J. Hardenshine.....	May 1, 1896		720	117.50					
Fred'k O. Pettey.....	Jan. 16, 1899		720	28.00					
Henry Singleton.....	May 23, 1898		720	56.00					
Henry B. Carter.....	Mar. 15, 1898	Oct. 17, 1898	600	146.74					
Emilee E. Flynn.....	June 15, 1898		600	352.27					
Lillie M. Horn.....	Mar. 15, 1898	July 14, 1898	600	19.57					
Anna M. Jewett.....	June 15, 1898		600	353.97					

1 Per month.

*Disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1899—Continued.*

## SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
MEAT INSPECTION—continued.									
South St. Joseph, Mo.—Cont'd.									
Katherine McGillis.	Assistant microscopist.	Mar. 15, 1898	July 14, 1898		\$600		\$19.57		
Jennie McKillip.	do	Sept. 12, 1898			600		232.97		
Grace Pucette.	do	June 15, 1898			600		199.12		
Hortense Pugh.	do	Mar. 15, 1898	July 14, 1898		600		19.57		
Nellie Walker.	do	June 15, 1898			600		353.93		
M. N. Bivin.	Laborer.	Mar. 23, 1898			1 \$30.00		232.50		
Electric Toilet Supply Co						Towel supply.			\$40.00
Cudahy, Wis.									
H. G. Moore.		Jan. 1, 1896			1,200		93.40		
S. D. Gillett.		Jan. 2, 1899			720		298.00		
Mary Buttrick.		Apr. 25, 1898			600		273.30		
Mary Gorman.		Aug. 26, 1891			600		307.74		
Harriet F. King.		Feb. 21, 1898			600		273.33		
Mattie Kneeland.		May 1, 1894			600		311.03		
Hattie Schultz.		Sept. 15, 1891			600		301.07		
Sue Nichols.		Oct. 25, 1897			600		129.36		
Thelma E. Sonntag.		Jan. 10, 1898			600		153.81		
A. R. Wake.						Expressage and towels			13.14
J. S. Ford, Johnson & Co						Cane chairs.			14.50
Miscellaneous.									
Colman Brez.	Instrument repairer.	Apr. 1, 1898			1,000		1,186.00		
Do.	do	Oct. 1, 1898		4.00					
E. J. Brooks & Co.						Disks and compressor glasses.			378.23
Bausch & Lomb Optical Co.						Objectives and tubes.			542.00
Dennison Manufacturing Co.						Tag fasteners, checks, and tags.			367.39
New York Stencil Works.						Compressor frames			130.00
Thos. Somerville & Sons.						Pulley, shafting, etc.			9.10
J. P. Nawrath.						Linen and twine			25.84
Spencer Lens Co.						Stages for microscopes.			8.10
James B. Lambie.						Rods, taps, belting, and wire.			34.95
Rudolph, West & Co.						Padlocks			27.17
Rufus P. Clarke.						Towels and towelings			58.72
Z. D. Gilman.						Eye shields and tin box			105.93

H. F. Miller & Son.....	Sample boxes.....	86.25
Goes Lithographing Co.....	Export stumps.....	154.44
Miller Lock Co.....	Lock boxes.....	180.00
The Louis Hax Furniture Co.....	Tables.....	135.80
C. S. Braisted.....	Penholders and pencils.....	28.44
Elmer H. Catlin & Co.....	Forceps and repairing.....	42.38
R. Carter Ballantyne.....	Box fasteners and pins.....	6.10
Chas. Truax Greene & Co.....	Dissecting forceps and scissors.....	66.00
Goumpf & Thompson.....	Enameling microscope stands.....	5.25
Pearre E. Crowl & Co.....	Sponge rubber.....	4.08
Blue Line Transfer Co.....	Transportation lead disks.....	4.02
Goodrich Transportation Co.....	Freight on lead disks.....	75
Vandalia Line.....	Freight on checks and tag fasteners.....	6.86
Star Union Line.....	Freight on disks and tag fasteners.....	14.91
St. Louis, Keokuk and Northwestern R. R. Co.....	Freight on tables.....	4.04
Wabash R. R. Co.....	do.....	2.69
Chicago, Burlington and Quincy R. R. Co.....	do.....	26.94
Chicago, Rock Island and Pacific Rwy. Co.....	Freight on disks and boxes.....	4.63
Burlington and Missouri River R. R. in Nebraska.....	Freight on lock boxes.....	1.96
Missouri Pacific Rwy. Co.....	Freight on tables and disks.....	7.25
Chicago and Erie R. R. Co.....	Freight on disks.....	1.36
Chicago and Northwestern Rwy. Co.....	Freight on tables and boxes.....	8.55
Lake Shore and Michigan Southern Rwy. Co.....	Freight on tag fasteners.....	2.25
Union Pacific R. R. Co.....	do.....	.50

1 Per month.

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